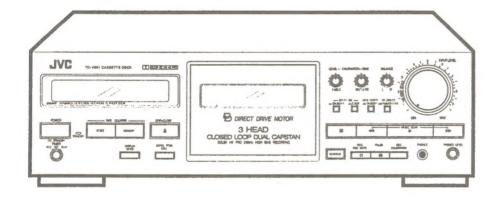


SERVICE MANUAL

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TD-V662BK A/B/E/EN/G/U/UT TD-V661TN C/J



COMPU LINK Component

Area Suffix
A ····· Australia
BU.K.
C ····· Canada
E ···· Continental Europe
EN North Europe
G ····· Germany
J U.S.A.
UOther Areas
UT ····· Taiwan

Contents

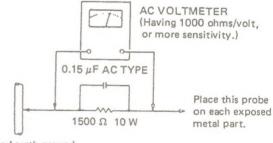
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Safety Precautios

- 1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- 2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacture's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of service manual. Electrical components having such features are identified by shading and () on the schematic diagram and by () on the parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of service manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
- 5. Leakage current check (Electrical shock hazard testing)
 - After re assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.
 - Plug the AC line cord directly into the AC outlet, using a "Leakage current tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground.

 Any leakage current must not exposeed 0.5mA AC(r.m.s.)
 - · Alternate check method
 - Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 ohms 10W resistor paralleled by a 0.15 $\,\mu$ F AC type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each



resistor with the AC voltmeter. Move the resistor connection to each Good earth ground exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC(r.m.s.). This corresponds to 0.5mA AC(r.m.s.).

Warning

- 1. This equipment has been designed and manufactured to meet international safety standards.
- 2. It is the legal responsibility of the repairer to ensure that these safety standards are maintaintained.
- 3. Repairs must be made in accordance with the relevant safety standards.
- 4. It is essential that safety critical components are replaced by approved parts.
- 5. If mains voltage selector is provided, check setting for local voltage.



SERVICE MANUAL

TD-V662BK A/B/E/EN/G/U/UT TD-V661TN

Supplement

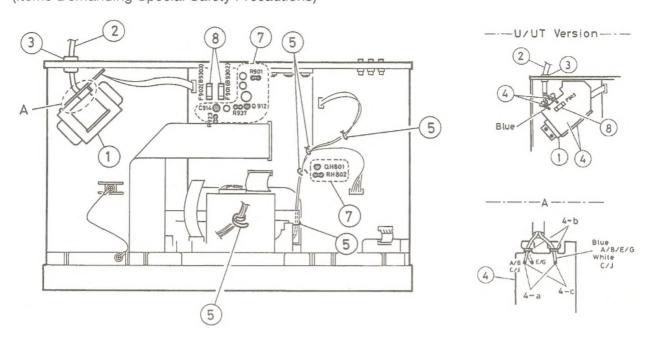
This supplement is issued as errata of 10 Packing Parts List of the Service Manual (No. 4348) previously issued for the above models.

Please cut the following list and paste it on the page 41 for correction of the Packing Parts List of the original service manual.

4	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLE
1	A 1 A 2	VMP0039-00D VNN2319-671M VNN2319-661M VNN2319-271M BT20060	PIN CORD INSTRUCTIONS INSTRUCTIONS INSTRUCTIONS WARRANTY CARD		1 1 1 1 1	A,B,J C,E,EN,G,U, EN	J
		BT-20066A BT-20122 BT-20122-1-A BT-20025K BT-20047F	WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD	(EES&PX)	1 1 1 1 1	B A A C J,U,UT	
4		BT-20134 BT20071A BT-20137 E43486-340A BT-20044G	WARRANTY CARD JVC CENTER LIST SERVICE NETWORK SAFETY I SHEET SAFETY INST.	(PX)	1 1 1 1 1 1	G C J,U,UT B J	
1	9	EWP805-001E VNC5311-203 VNC5311-204 VPC2321-M002 VPC2321-M002	REMOTE WIRE LINE V CAUTION LINE V CAUTION CARTON CARTON	(EES&PX) (EES)	1 1 1 1 1 1	U,UT U,UT	BK
1	4	VPH2456-001 VPH2457-001 E300196-031B TDV662BKB-LAB TDV662BKUT-LAB	CUSHION (L) CUSHION (R) ENVELOPE COMPUTER LABEL COMPUTER LABEL		1 1 1 1 1 1	B UT	TN
		TDV662BKU-LAB TDV662BKA-LAB TDV661TNC-LAB TDV662BKEN-LAB TDV662BKE-LAB	COMPUTER LABEL COMPUTER LABEL COMPUTER LABEL COMPUTER LABEL COMPUTER LABEL		1 1 2 1	U A C EN	
F	8	TDV661TNJ-LAB TDV662BKG-LAB VPE3005-007 Q04141H E66416-003	COMPUTER LABEL COMPUTER LABEL POLY BAG WIRE CLAMP ENVELOPE	FOR INSTRUCTION	2 1 1 1 1 1 1	J G J C U C U T	
F	10	VYN2321-901	NAME PLATE GREEN POINT LAB		1 1	UT G	



Important Management Points Regading Safety (Items Demanding Special Safety Precautions)



1.Securely fix the power transformer while confirming its marking specified in the following.

Suffix	Marking	Discription	Model
J	5216507	UL approved No.	TD-V661
С	VTP52A5-011F		TD-V661
A/B/E/EN/G	VTP52Z5-011F		TD-V662
U/UT	VTP52G5-011F		TD-V662

Power cord : Make sure of the following markings and inspect exterior scratch and damage.

	Power cord	Attachment plug
J	SPT-2	KP-10W or SU-1P
С	SPT-2	KP-10
E/EN/G	< VDE>	KP-419C or SE-1
B BASEC BS6500		KP-610 3A
U/UT	∨ DE ▷	KP-8K
A	LTSA-2F	KP-560

- Install the cord bushing by the specified tool while confirming the marking. Bushing: NIFCO 10P1
- 4. Wiring terminal
 - a)When installing the power cord,wind it around the terminal by the end before soldering.
 - b)Arrange the wires while binding them nearby the terminal.
 - c)The end of respective power cords is solderedin the air and the space from others must be 3.2 mm or more in the distance.

- When arranging every wire and cable, avoid the active power parts, mobiles, heat generating parts, shap – edged parts, etc.
- Since the following parts are hear generation ones, they must no contact with electolytic capacitors, wires, etc.
- Parts are inflammables.Make sure of their lift-up condition for the purpose.
- Parts in box are out of JVC's control.
 D902 Q905 Q912 QH851 R901 R921 R923

Other parts

R937 R938

C903 C904 2200uF/25V C/J version (VEND TYPE)

8. All fuses must securely be connected.In A/B/E/EN/G/U/UT version, F901 andF902 must be specified by the rating of 800 mA shown on the surface as well as by the marking of ③ or in U/UT version, F903 must be specified by the rating of 200 mA shown on the surface well as by the marking ⑤ or ⑤.

Features

- 1. Pure and direct design with 3-head combination mechanism
 - · Closed-loop dual-capstan mechanism
 - · Pulse servo capstan D.D. (direct drive) system
 - METAPERM combination (rec + play) head and 2-gap ferrite erase head
 - PCOCC (Pure Copper by Ohno Continuous Casting) head winding wire for the superior signal transmission
 - · 2 pairs of line input jacks including CD direct input
 - · High bias frequency of 210 kHz for improved recording
- 2. Electrically driven cassette holder
- 3. Dolby* HX PRO headroom extension
- 4. Dolby B/C noise reduction systems provided for recording and playback independently
- 5. Calibration function for according to the characteristics of individual tapes
 - · Recording bias and level can be adjusted (built-in oscillator).

- 6. Multi music scan mechanism for either direction "Under License of Staar S.A., Brussels, Belgium"
- Timer start mechanism
- 8. DDRP (Dynamics Detection Recording Processor) With the DDRP function, the recording level is adjusted automatically so that recording is performed in optimum condition.
- 9. COMPU LINK-3/SYNCHRO terminal
- 10. Other features
 - · 2-color fluorescent peak level indicator
 - · Digital peak/peak level meter (with peak hold function)
 - · 4-digit linear counter
 - · Auto monitor
 - · Auto tape select mechanism
 - MPX filter switch
 - Headphone volume control

Specifications

Type Track system : Cassette deck : 4-track, 2-channel

Tape speed

: 4.8 cm/sec (1-7/8 inch/sec)

Frequency response

: (-20 dB recording)

Type IV tape; 10 - 21,000 Hz

15 - 19,000 Hz (±3dB)

Type II tape ; 10 - 19,000 Hz

15 - 17,000 Hz (±3dB)

Type I tape ; 10 - 19,000 Hz

15 - 17,000 Hz (±3dB)

S/N ratio

: 59 dB (S = 315 Hz, k3 = 3 %,N = Aweighted, Type IV tape) The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz to 10 kHz with Dolby C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz

with DOLBY B NR on.

Improvement of MOL: 4 dB at 10 kHz with Dolby C NR on. : 0.035 %(WRMS), ±0.09%(DIN/IEC)

Wow and flutter Channel separation

: 40 dB (1 kHz)

Crosstalk

: 60 dB (1 kHz)

Harmonic distortion Heads

: k3; 0.7% (Type IV tape, 315Hz, 0 VU)

Combi-

nation

: Record (METAPERM: PCOCC winding wire) × 1

Playback (METAPERM: PCOCC winding wire) × 1 Erase (2-Gap Ferrite) × 1

Motors

: Pulse servo direct drive motor for

capstan x 1

DC motor for reel x 1

DC motor for mechanism drive x 1

Fast forward/

Rewind time Input terminals : Approx. 100 sec. with C-60 cassette

CD DIRECT (x 1 circuit)

: Input sensitivity; 80 mV (0 VU) Input impedance; 50 k Ω : Input sensitivity: 80 mV (0 VU) Input Impedance: 50 k Ω

LINE IN (x 1 circuit) Output terminals

> LINE OUT : Output level; 300 mV (0 VU) (x 1 circuit) Output impedance; 5 kΩ

Matching impedance; 47 kΩ or more

: Output level; 0 - 1 mW/8 Ω (0 VU) PHONES × 1

Matching impedance; 8 Ω – 1 $k\Omega$: COMPU LINK-3/SYNCHRO × 2

Power requirement

: AC 240 V, 50/60 Hz (Australia/U.K.) AC 120 V, 60 Hz(U.S.A.)

Power consumption

Other terminals

: 20 W with power switch ON 5.8 W with power switch STANDBY

Dimensions

 $(W \times H \times D)$

: 435 × 133 × 332 mm $(17-3/16 \times 5-1/4 \times 13-1/8)$

Weight

: 5.2 kg (11.5 lbs.)

Accessories

: Pin plug cord2 Remote cable1

Design and specifications are subject to change without notice.

Instructions (Extruction)

Connections

1. Connection to a stereo amplifier

- Do not switch the power on until all the connections are completed.
- Insert the plugs firmly, or poor contact will result, causing noise.
- When the pin-plug cords are employed, always connect the white plug to the left channel terminal. This helps to avoid reversed connections.
- When using the Compu Link Control System version 3, do not connect the power cord to the SWITCHED AC OUTLET of an amplifier or receiver. Otherwise, the automatic power on/off (STANDBY) function cannot be carried out.

Note:

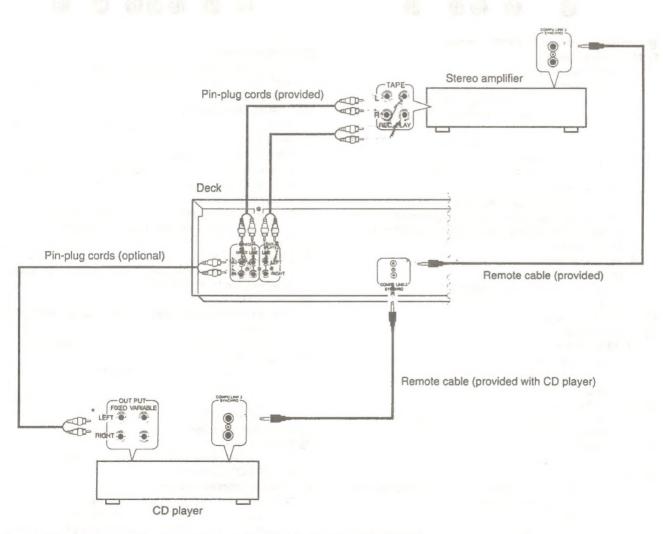
When installing the deck, be sure to install at a distance from your amplifier. If they are stacked, noise (hum) may occur.

2. Remote cable connection for COMPU LINK

- By connecting a remote cable, COMPU LINK functions (automatic power on/off (STANDBY), automatic source selection, synchronized recording and DDRP recording) can be performed. In this time the provided pin-plug cords must be also connected.
- When making synchronized recording with a CD player, connect the remote cable to the COMPU LINK-1/SYNCHRO or COMPU LINK-3/SYNCHRO jacks.

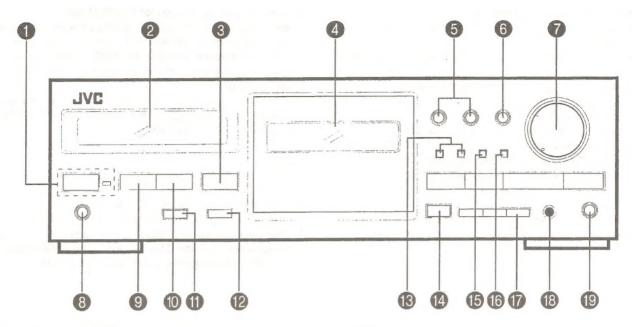
Notes:

- When making synchronized recordings, only a single deck should be connected to the amplifier.
- If a component is not a JVC COMPU LINK component, bypass it when making the remote cable connections.
- This deck can be connected with an amplifier and a CD player which have the COMPU LINK-1/SYNCHRO jacks for COMPU LINK performance. (see page 10 for detail)



^{*} When making DDRP recording connect pin-plug cords with the terminals "VARIABLE".

◆ Name of Parts and Their Functions



- POWER switch and STANDBY Indicator
- 2 Multi mode display
 - (1) CALIBRATION indicator
 - (2) Peak level meter

These indicators light according to the level of the signal being recorded or the level of the signal recorded on the tape.

0 dB : IEC (DIN) STANDARD LEVEL (250 nWb/m)

0 VU : Signal level at 160 nWb/m

DO : DOLBY NR STANDARD LEVEL

- ③ MEMORY indicator
- 4 Tape counter/Digital peak indicator

This functions as a tape counter or digital peak indicator according to the setting of the DISPLAY MODE button.

- (5) DDRP indicator
- (6) Monitor indicator
- (7) Mechanism mode indicators
- (8) Tape types and recording guide indicators
- (9) HX PRO indicator
- Cassette holder
- 6 CALIBRATION controls

To adjust the recording bias and sensitivity according to the tape to be used. If adjustment is not performed, set to the center position.

6 BALANCE control

Adjusts the balance between the signals input via the left and right LINE IN jacks.

INPUT LEVEL control

Adjust the recording level with this control.

8 TIMER switch

When an optional timer is used, recording and playback can be performed at any desired time.

@ RESET button

Press to reset the counter to "0.00" and to clear the memory

mode.

MEMORY button

Use this button stop the tape automatically at the position which the tape counter is "0.00" in either rewind or fast forward mode.

DISPLAY MODE button

Use this button to change the mode between "tape counter" and "digital peak".

1 DIGITAL PEAK CALL button

Press to call up the stored (memorized) maximum value or to reset the memory in the digital peak mode.

13 DOLBY NR switches

Set to B or C for recording using the Dolby NR system or for playing back a tape that was recorded using the Dolby NR system.

MONITOR button

When this button is pressed, it changes between source monitoring and tape monitoring.

15 MPX FILTER switch

When an FM stereo broadcast is to be recorded using Dolby NR, set this to ON to prevent the Dolby NR circuit from malfunctioning (otherwise the sound quality could deteriorate.)

(B) CD DIRECT switch

ON : Set to ON when selecting the CD DIRECT input mode.

OFF/LINE : Set to OFF/LINE when recording from a stereo amplifier.

© CALIBRATION button

PHONES jack

Connect headphones (with an impedance of 8Ω to 1 k Ω).

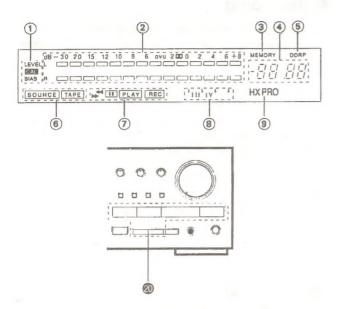
PHONES LEVEL control

Cassette operation buttons

■ (stop): Press to stop the tape.(rewind): Press to rewind the tape.

► (play) : Press to start recording or playback.

► (fast forward) : Press to fast forward the tape.



O REC/REC MUTE: Press the > (play) button while pressing this button to start recording, and press to leave an appropriate nonrecorded section. (See page 7.)

III PAUSE

: Press to stop the tape temporarily during recording and playback.

Press the ► (play) button to release the pause mode.

When pressed together with the O REC/REC MUTE before recording, the unit will enter the record-pause mode.

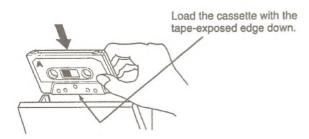
Cassette loading

(With the POWER switch set to STANDBY.)

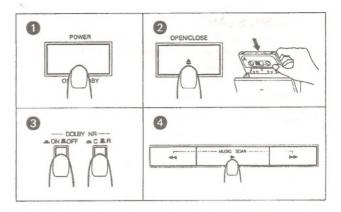
- 1. Press the ▲ OPEN/CLOSE button to open the cassette holder
- 2. Load a cassette as shown.
- 3. Press the ▲ OPEN/CLOSE button to close the cassette
 - · It can also be closed by pushing the cassette holder.
 - After pressing the ► (play) button, closing the cassette holder, playback begins immediately.

Note:

When the ► (play) or III PAUSE button is pressed instead of pressing the A OPEN/CLOSE button, the cassette holder closes automatically and the operation corresponding to the pressed button is performed.



Playback



Operate in the order of the numbers in the illustration.

- Press the POWER switch to set to ON.
- 2 Load a prerecorded cassette.
- 3 Press the same DOLBY NR switches that were pressed when the tape was recorded.
- 4 Press the ► (play) button to start playback.
- · When the deck contains a tape, the deck is turned on automatically and the tape is played back by only pressing the (play) button.
- It changes to the tape monitor mode automatically and "TAPE" will appear on the display.
- To stop playing back midway Press (stop) button.

Tape counter display

When the power is turned on, the counter value which the POWER switch was set to STANDBY, appears on the display. When the tape runs, the counter functions as a 4 digit linear tape counter. The running time is displayed in minutes and seconds (countdown function included). Since the counter is not a clock, there may be a discrepancy between the actual recording and playback times. This discrepancy will vary depending on the length of the tape and the hub diameter.

To set the counter to "0.00".

Press the RESET button.

MEMORY BUTTON

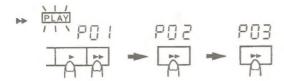
Memory function operates at the point where the tape counter is "0.00". Press the RESET button to set the counter to "0.00" at the point to which you want the tape to be rewound and from which you want to listen to during recording or playback.

The tape stops automatically at the point where the counter is "0.00" in either the fast forward or rewind mode.

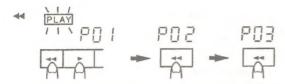
- . The point where the counter is "0.00" is stored during any mode (recording, playback or stop), but the memory function (automatic stop) operates only in the fast forward or rewind
- If pressing the MEMORY button again, the memory will be cleared. It will also be cleared if pressed the RESET button and reset the counter to "0.00".

MULTI MUSIC SCAN

- The multi music scan mechanism of this unit allows you to quickly locate the beginning of a specific tune (up to 99 tunes before or after the current tune).
- Fast forward scan



· Rewind scan



Procedure

- 1. Press the ► (play) and ◄ (or ►►) buttons simultaneously.
- When more than 2 tunes are to be skipped, after procedure 1
 press the ►► (or ◄◄) button the number of times you want to
 skip tunes. The number of tunes to be skipped is displayed in
 the counter.

Notes:

In the following cases, the mechanism may not operate correctly. This is not a malfunction; use the mechanism according to the type of program.

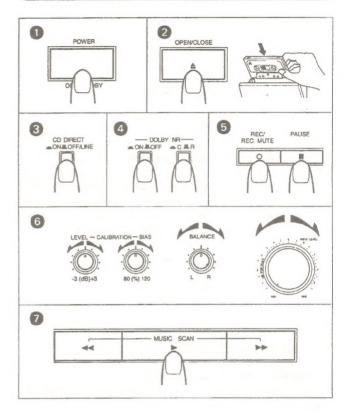
- Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
- · Tapes with short non-recorded sections.

Recording

Operate in the order of the numbers in the illustration.

 Make sure the safety tab of the cassette has not been broken off.

It should be noted that it may be unlawful to re-record prerecorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic work embodied therein.



Manual recording

- 1 Press the POWER switch to set to ON .
- 2 Load a cassette for recording.
- 3 Select the recording input.
- 4 Set the DOLBY NR switch as required.
- Press the PAUSE button and O REC/REC MUTE button (record-pause mode).

The II and REC indicators light.

6 Adjust the recording level, bias and balance. (See pages 8 & 9.)

The BALANCE control only works with line input.

Press the ► (play) button to start recording.

DDRP (Dynamics Detection Recording Processor) recording

- DDRP recording is performed with suitable JVC CD players and the recording level adjustment is performed automatically.
- Since recording level adjustment is performed automatically for different types of tape (normal, CrO₂ and metal), the adjustment of INPUT LEVEL and BALANCE controls are not required.
- · Read the instruction book of your CD player carefully.

DOLBY NR and DOLBY HX PRO Dolby NR System

To reduce the hiss inherent in tape recording, use the Dolby NR System when making recordings. When listening to a tape recorded with the Dolby NR System, set the DOLBY NR switch to B or C according to the system selected in the recording mode.

Note:

The sound quality will change if the positions of the DOLBY NR switch are different in recording and playback.

Dolby HX PRO headroom extension

When a source which contains many high-frequency components is recorded, these high-frequency signals have the same function as bias and therefore, the effective bias current changes.

This will result in phenomena such as changes in the level of low-frequency signal and subsequent distortion and reduction of the high-frequency saturation level.

Dolby HX PRO headroom extension system controls the bias current so that the effective bias is constant even when there are fluctuations in the high-frequency components of the input signal.

This greatly improves the high-frequency saturation level while reducing the low-frequency signal level variations and distortion.

- The dynamic sound recorded with this system sounds the same even when the tape is played back in a deck that does not have Dolby HX PRO.
- This system automatically works when in recording; however, Dolby HX PRO is not a noise reduction system.

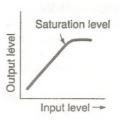
RECORDING LEVEL ADJUSTMENT

It is best to adjust so that the maximum sound level of the source to be recorded reaches the very limit of the saturation level of the tape to be used.

- When the recording level is too low, the hiss noise inherent in the tape will be conspicuous.
- When the recording level is too high, exceeding the saturation level, the recording will contain cracking noise and will be distorted.

· Saturation level means:

When the recording input is increased gradually, the output increases proportionally. However, once it reaches a certain level, the output cannot increase any further. Moreover, the output will be distorted if the input is increased beyond this point. The level at which this occurs is called the tape's "saturation level".



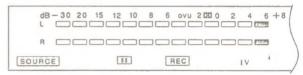
How to adjust the recording level

- 1) Set to the source mode (record-pause).
- 2 Adjust the recording level using the INPUT LEVEL control.



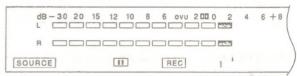
With Type IV (metal) tape

Because of metal tape's higher saturation level, it is OK that "+ 6" lights occasionally.



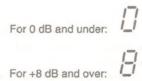
With Type I (normal) or Type II (chrome) tape

It is OK that "+ 2" lights occasionally.



Digital Peak Indicator

This is a digital display that shows the recording/playback level and is interlocked with the peak level meter under the control of the meter microcomputer. A maximum peak level memory function is provided so that the peak level can be checked after as well as during recording.



Calling up the maximum level and resetting the memory

When the "DIGITAL PEAK CALL" button is pressed once, the peak level held in memory flickers in the display for approximately 5 seconds. If the CALL button is pressed again while the peak value is displayed, the previous contents of memory will be cleared and this newly input maximum level will be held in memory as the peak level.

In addition, the digital peak function holds the level of whichever of the left or right channels is the higher and displays it.

CALIBRATION OPERATION

There are various types of cassette tapes, and their characteristics differ slightly even when they are of the same type.

Generally, the bias current and equalization characteristics suitable for the type of tape being used can be obtained by the Auto Tape Select system.

However, to optimize the response of the tape to be used, it is better to adjust the recording bias so that distortion is minimized and the frequency characteristics are as flat as possible.

When recording using Dolby NR, the recording and playback levels should be matched to achive the best Dolby NR effect.

Compensate for the tape sensitivity within ±3 dB.

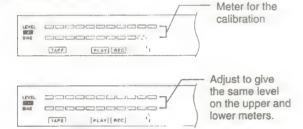


Adjust the bias current within ±20%.

How to adjust

Adjust the bias current to compensate for the tape sensitivity while recording the test tone.

- Press the ► button while pressing the CALIBRATION button.
 The meter changes to calibration mode and the test tone is recorded.
- Adjust the BIAS control so that the upper and lower meters show the same level.



 Adjust the LEVEL control that the upper and lower meters meat " \(\(\) ".

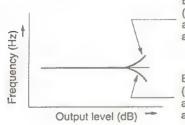


Press the ■ (stop) button to stop the tape.
 The level meter works when the ■ (stop) button is pressed.
 This is not a malfunction.

The optimum bias is set and the tape sensitivity is compensated for by the above procedures. To start recording, rewind the tape and erase the test tone. (See the following "Erasing".)

When the bias is low (80% position) or high (120% position), the

When the bias is low (80% position) or high (120% position), the frequency response is as shown in the following diagram.



Bias is low (distortion is increased and high frequencies are emphasized)

Bias is high (distortion is decreased and high frequencies are attenuated)

Notes:

- When using Type IV (metal) tape, the change in the frequency characteristic when the bias control is adjusted is small compared with the change when using Type I (normal)- or Type II (high position) tape. The optimum bias may not be obtained within adjusting range (±20%) of this deck due to tape characteristic difference.
- During calibration, monitoring is impossible regardless of whether the monitor mode is set to "tape" or "source".

Erasing

When recording on a prerecorded tape, the previous recording is automatically erased and only the new program is recorded on the tape.

To erase a tape without making a new recording...

Follow the section "RECORDING" but in step 6, set the INPUT LEVEL control to MIN.

AUTOMATIC RECORD MUTING

This facility is used to eliminate undesired sections and leave an appropriate non-recorded section.

- To leave non-recorded sections of about 4-5 seconds automatically
- When the undesired section comes during recording, press the O REC/REC MUTE button and release it.
- The REC indicator flashes and a non-recorded section is made during record muting operation. About 4-5 seconds later, the tape automatically stops, and the unit enters the record-pause mode.
- 3 Press the ► (play) button to restart recording.
- B. To leave non-recorded sections of more than 4-5 seconds
- 1 Keep the O REC/REC MUTE button pressed continuously as long as you want to make a non-recorded section. By releasing the finger from the button after the above operation, the unit enters the record-pause mode.
- 2 Press the ► (play) button to restart recording.
- C. To leave non-recorded section of less than 4 seconds
- When the undesired section comes during recording....
 After the O REC/REC MUTE button is pressed, press the ► (play) button before the unit enters the pause mode to start recording again, or press the PAUSE button to enter the record-pause mode.
- The PEAK LEVEL INDICATOR lights even during record muting according to the input level which can be heard from the speakers or headphones so that recording can be resumed at the exact point on the tape.

MONITOR BUTTON

Since the unit is a three-head deck with separate record, play and erase heads, the sound from the source can easily be compared with that recorded on the tape by switching this button.

A. Source monitoring

Press the MONITOR button to indicate "SOURCE" in the display to monitor the sound from the source. The PEAK LEVEL METER and DIGITAL PEAK indicators show the level of the input signal; adjust the recording level while monitoring the source.

B. Tape monitoring

Press the MONITOR button to indicate "TAPE" in the display to monitor the signal picked up by the play head after it has been recorded on the tape. In this way, you can check whether it has deteriorated because of dirt on the head, etc.

This unit automatically enters the source monitor mode when the record-pause mode is engaged, and the tape monitor mode when the record or playback mode is engaged.

CD DIRECT INPUT

When a CD player or other component is connected to the CD DIRECT terminals as shown in "CONNECTIONS" on page 4, a direct signal will be input without passing through the stereo amplifier.

Compu-Link Control Sysrem



The Compu Link Control System controls relative operations between components automatically and facilitates various operations.

This is a system originated and developed by JVC for facilitating various system operations. There are two versions of this system; version 1 and 3. (For version 1 components, "COMPU LINK-1 / SYNCHRO" is marked on the rear panel. For version 3 components, "COMPU LINK-3 / SYNCHRO" is marked on the rear panel. This unit belongs to version 3.)

The version 3 system controls relative functions between this unit and an amplifier or receiver, in addition to all of the functions of version 1.

Automatic Power On/Off (STANDBY) Function (COMPU LINK-3)

This function is available when an amplifier or receiver having a COMPU LINK-3/SYNCHRO terminal is connected. For example, if a deck contains a tape, the deck is turned on automatically and the tape is played back by only pressing the ► (play) button. When the amplifier or receiver is switched STANDBY, the source unit is automatically switched STANDBY.

Automatic Source Selection (COMPU LINK -1,3)

When the provided remote cables are used for connecting this unit to other components which have COMPU LINK-1 or 3/SYNCHRO terminals, the switch-over of all system components is possible with simple one-touch of the source selector button of JVC's amplifier or receiver.

By doing this, the corresponding component will start playing automatically.

The source select button of the remote control unit or the activation button of the desired component can be also used for this purpose. When the components have been switched over, the previous component will stop playing within five seconds.

Synchronized Recording (COMPU LINK -1,3)

Synchronized recording refers to the process in which the deck starts recording in synchronism with the CD player. Perform the synchronized recording as follows:

- Set the cassette deck to the record-pause mode in accordance with the recording procedures on page 8.
- If you want the programmed recording, program the desired tunes in any order you wish to hear.
- Press the PLAY/PAUSE button of the CD player. By so doing, the cassette deck is placed in the record mode and synchronized with the CD player for recording. Synchronized recording thus can be made possible.

DDRP (Dynamics Detection Recording Processor) recording The DDRP function makes possible fully automatic recording when used with a suitable JVC CD player. When the DDRP button of a suitable JVC CD player is pressed, the recording level is first adjusted automatically, then recording starts; it is not necessary to start recording by the normal procedure.

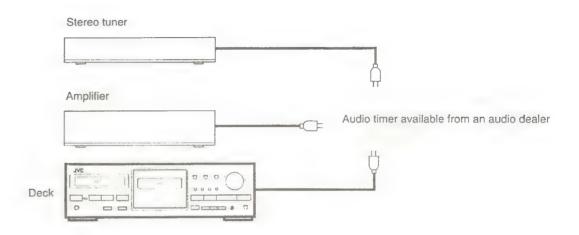
Notes:

- Synchronized recording or DDRP recording stops automatically when the CD player stops playing.
- To cancel synchronized recording or DDRP recording, press the STOP button of the CD player or cassette deck.
- Synchronized recording does not start except when the recordpause mode is set by simultaneously pressing the O REC/ REC MUTE and II PAUSE buttons in the stop mode.
- The source is locked to the CD position during synchronized recording or DDRP recording to avoid accidental stops or switch-over to another component. To switch over the components, cancel synchronized recording or DDRP recording first
- The INPUT LEVEL control does not function during DDRP recording.

♦ Timer Recording / Playback

- Recording or playing back at any desired time can be performed using an audio timer.
- Read the instruction manual of the timer carefully before using it.
- Timer recording cannot be performed if the cassette's safety tabs are removed.

In case the amplifier is not provided with AC outlets, use a multiplug connecter for each connection.



Procedure	Time recording	Timer playback		
1. Timer operation	Set the timer so that the power of units are switched	d on.		
2. Amp and tuner operation	 Set the source selector of the amplifier to TUNER. Tune to the station to be recorded. 	Set to the playback mode.Adjust the volume and tone of the amplifier		
3. Deck operation	Load a cassette and perform the recording operations.(See page 7.)	Load a recorded cassette and perform the playback operations. (See page 6.)		
4. Timer operation	 Set the timer to the desired start and stop times. When you are recording, allow about 1 extra minute at the beginning and end of the program to be sure to record everything. Confirm that the units connected to the timer are turned off. 			
5. Deck operation	Set the TIMER switch to REC. Recording will start at the time set on the timer. THER	Set the TIMER switch to PLAY. Playback will start at the time set on the timer.		
	REC OFF PLAY	REC OFF PLAY		

- Before starting timer recording, wind the tape beyond the leader section.
- Turn the TIMER switch "OFF" when you finish timer operation.

1 Location of Main Parts

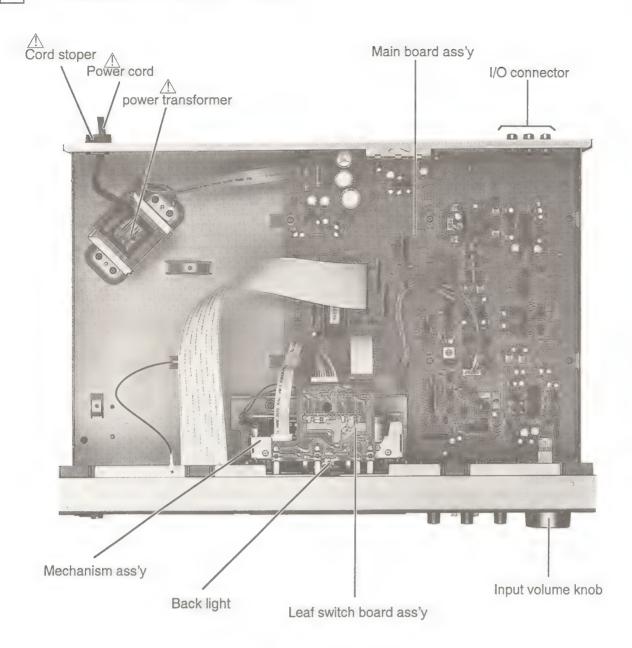


Fig.1 - 1

2 Removal of Main Parts

External parts

top cover

- 1. Remove the four screws ① on the left and right sides and the two attachment screws ② on the back side.
- 2. To remove the top cover, slide in directon of allow and lift away.(refer to Fig.2-1)

◆ Front cover (aluminum plate)

- 1. Pull out the input volume knob (see Fig.1-1).
- 2. Remove the screw ③ retaining the earth wire on front plate.(see Fig.2-3)
- 3. Remove the three screws ④ retaining the front cover from bottom side.(see Fig.2-2)
- 4. Press the four points @ on the mold section to remove the catches on the inner side of the front cover and then remove the front cover towards you.(see Fig.2-2)

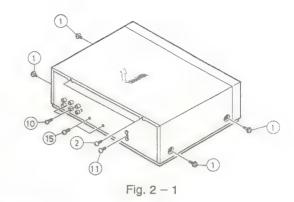
◆ Cassette door cover (Lid)

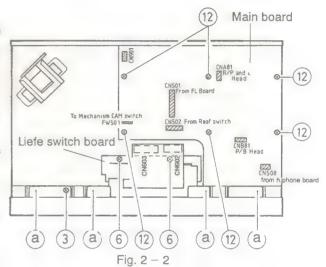
- Turn the power ON and press the eject button(open/close) to open the cassette door.
- 2. Slide off the cassette lid section upward to uncl its pawls of both side.

Assembly parts

♦ When removing as the front panel assembly(with mechanism.)

- 1. Remove the top cover of the extenal parts ,remove the front plate to prevent scratching.
- 2. Remove the cassette door cover.
- 3. Remove the three screws ⑤ retaining the front pannel assembly from bottom side.(see Fig.2-3)
- 4. Disconnect all connectors between the mechanism assembly or front panel assembly and main board assembly.(see Fig.2-2,Fig.2-4)
- a) Remove the CN508 from the headphone board assembly.
- b)Remove the wires CNA81,CNB81 for record/playback and erasing heads.
- c)Remove CN501 going to the FL p.c.board.
- d)Remove CN602 and CN603 going to the leaf switch board.
- Remove the cam switch wire(FW501) from the mechanism board connector. (see Fig.2-2 or Fig.2-6)
- 7. Remove the two screws ⑥ retaining the mechanism assembly on the chassis.(see Fig.2-2)





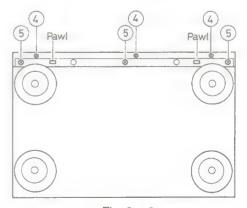


Fig. 2 – 3

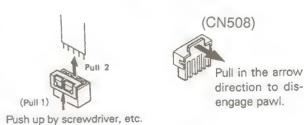


Fig. 2 – 4

P.C.board ass'y inside of front panel

◆ FL Board assembly(see Fig. 2-5)

- 1. Remove the front cover(aluminum plate).
- 2. Remove the seven screws (7) retaining the FL board assembly.
- 3. Remove the FL board ass'y and then pull out the timer switch knob.
- 4. Remove the opelation button assembly.

◆ Volume/key switch board and H.phone board assembly (seeFig.2-5)

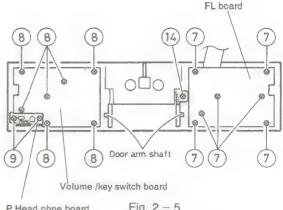
- 1. Remove seven screws ® retaining the volume/key switch board assembly.
- 2. Remove the volume/key switch board assembly.
- 3. Remove two screws 9 retaining the H.phone board assembly.

◆ Main P.C.Board assembly (see Fig. 2-1, Fig. 2-2)

- 1. Remove the two screw @retaining the pin-jacks.
- 2. Remove the screw ① retaining the DCS jack.
- 3. Remove two screws (5) retaining the heat sink.
- 4. remove the six screws 12 retaining the amplifire board assembly
- 5. Pull the main P.C.board assembly slightly forward and bring it up from the back.

Cassette holder assembly (see Fig. 2-5, Fig. 2-6)

- 1. Remove the two screws (3) retaining the mechanism assembly.
- 2. Remove the one screw (4) retaining the damper holder.
- 3. Remove the mechanism assembly (Rimoving the back light soldering ©).
- 4. Remove the cassette holder arm from the front panel assembly.





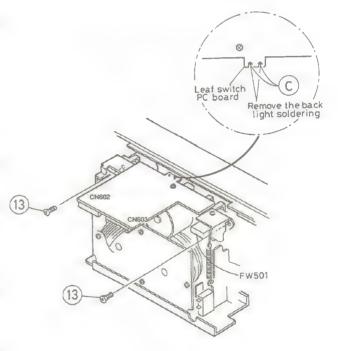


Fig. 2 - 6

When removing only the mechanism assembly

- 1. Remove the top cover.(see Fig. 2-1)
- 2. Remove the one screw ③ retaining wire from the chassis . (see Fig. 2-2)
 - a)Remove the wires CNA81 and CNB81 for record/playback and erase head.
 - b)Remove the CN602 and CN603 going to the leaf switch
- Remove the cam switch wire (FW501) from the mechanism p.c.board connector. (see Fig. 2-6)
- 4. Remove the cassette back light soldering © on thr center of the upper surface of the mechanism.
- 5. Remove the two screws (3) retaining the mechanism on the front panel assembly. (see Fig. 2-6)
- 6. Remove the two screws (6) retaining the mechanism assembly on the chassis. (see Fig. 2-2)

When removing the front panel assembly.

(after removing the mechanism)

- In case the mechanism assembly is included, carry out steps 1,2,3, of assembly parts.
- 2. Remove the wires from the main p.c.board.
- a)Remove the CN501 for the FL board assembly. (see Fig.

2-2)

- b)Remove the CN602 and CN603 going to the leaf switch board. (see Fig 2-2,Fig 2-6)
- c)Remove the CN508 going to the headphone p.c.board. (see Fig 2-2,Fig. 2-4)
- 3. Remove the cam switch wire (FW501)from the mechanism p c board. see Fig 2-2 or Fig 2-6)
- 4. Remove the three screws ⑤ retaining the front panel assembly. (see Fig. 2-3)
- Remove two screws 6 retaining the mechanism assembly.
 (see Fig. 2-2)
- 6. Remove the front panel assembly.
- 7. Remove the two screws (3) retaining the mechanism assembly to the front panel assembly and removing the back light soldering. (see Fig. 2-6)

Mechanism section

Remove the mechanism assembly from mechanism holder.

◆ Leaf switch replacement (see Fig. 2-7)

- Remove the three screws ② retaining the leaf switch board assembly.
- 2. Remove the leaf switch.

◆ Pinch roller replacement (see Fig 2-7)

(Right side)

- 1. take out one E washer ③ from pinch roller shaft.
- Pull the pinch roller assembly in the upward direction slightly, remove the return spring(thin and black color)side of chassis, from pinch roller.

(Left side)

NOTE: After replacing, make sure adjust the hight adjustment using M300 gauge.

- 1. Remove the hight adjustment screw, using the nut driver(4mm), from pinch roller shaft.
- 2. Remove the return spring to side of chassis.

◆ Head parts (see Fig. 2-8)

- 1. Remove the three screws ④ , ⑤ and ⑥ to remove the head block.
- 2. Remove one screw (7) to remove the Erase head.
- Remove the two screws ® and 9 to remove the REC/PB head assembly.

Note: When remove the REC/PB head assembly, the spring is removed at the same time.

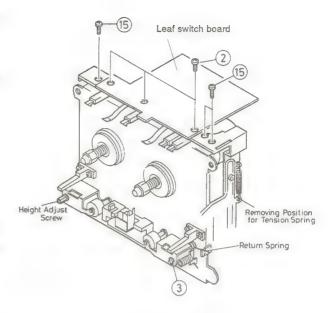


Fig. 2 - 7

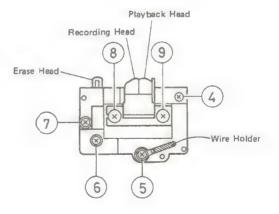
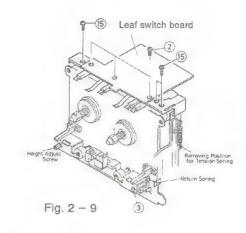
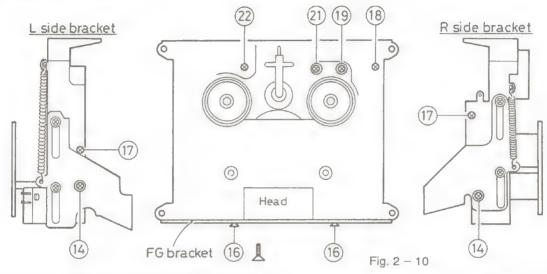


Fig. 2 - 8

◆ Capstan motor assembly with flyweheel

- Remove the pinch roller assemblies both of the right and left ones.
- 2. Remove the two screws ③ retaining the mechanism bracket. (see Fig. 2-12)
- 3. Remove the five screws (4) and (5) retaining the side bracket of mechanism both side. (see Fig. 2-9, Fig. 2-10)
- 4. Remove four screws 16 and 17 retaining the FG bracket. (ss Fig.-10)
- 5. Draw the capstan motor assembly.





◆ Cam motor and reel motor assembly (see Fig. 2-10)

- 1. Remove the motor terminal board and then remove two screws (1) and (1) retaining the cam motor assembly.

 Remove the motor terminal board and then remove two screws (21) and (22) retaining the reel motor assembly.
- Otherwise, the terminal board assembly can be removed by removing the cam motor assembly and the reel motor assembly at the same time.

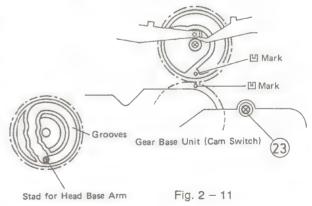
◆ Cam switch assembly (see Fig. 2-11)

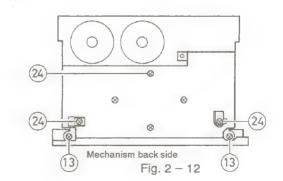
1. Remove the screw 2 retaining the cam switch assembly and remove the disk brake lever from the reel disk, and the cam switch assembly can be remove.

◆ Replacement of motor belt and flywhee (see Fig. 2-12)

1. Remove the three screws 4 retaining the motor bracket.

Note: Pay attention to grease not to stain the belt since it will be disengaged at that time.





3 Main Adjustment

Measuring instruments required for adjustment

- (1) Low-frequency oscillator(oscillation frequency 50Hz~20kHz, 0dB output with 600 Ω impedance)
- (2) Attenuator(600 Ω impedance)
- (3) Electronic voltmeter
- (4) Standard tapes

VTT712(tape speed, wow and flutter

measurement)

VTT724(reference level)

TMT735, VTT739(playback frequency)

VTT704(12.5kHz)(azimuth)

(5) Recording reference tapes

TS-12(UD1), TS-10(AC-513)(SA),

TS-11(AC-712)(MA)or equivalent

- (6) 600 Ω resistors(for attenuator matching)
- (7) Distortion meter(bandpass filter)
- (8) Torque gauge(cassette)for CTG-N, TW2111, TW2121 and TW2231 mechanism adjustments.
- (9) Wow & flutter meter
- (10) Frequency counter meter
- (11) M300 gauge
- (12) Band pass filter
- ♦ Power supply voltage

Set the line voltage selector switch to 240V/ 230V/

220V/ 127V/ 120V/ 110V according to _____

your local voltage.

AC240V, 50/60Hz :A/B version

AC230V, 50/60Hz :E/EN/G version

AC120V, 60Hz :C/J version

AC230/127/110V, 50/60Hz:U/UT version

(13) Standard position of the switch and volume knob

Switches and volume knobs Setting position.

INPUT LEVEL **MAXIMUM**

DOLBY NR SWITCH OFF

BALANCE CONTROL CENTOR **BIAS CONTROL** CENTOR

TIMERSWITCH OFF MPX FILTER OFF

INPUT SELECT LINE

H.PHONE VOLUME **MAXIMUM** (14) Standard level (0dBs) is 0.775V unless otherwise specified.

◆ Mechanical adjustment

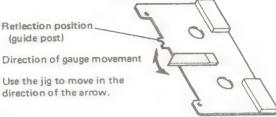
After head repllacements, use the following method to check after the hight, direction (rough of each head have been adjusted.

Tape travel adjustment

Use the M300lig. Be careful not to dameage the head.

Tape guide adjustment method

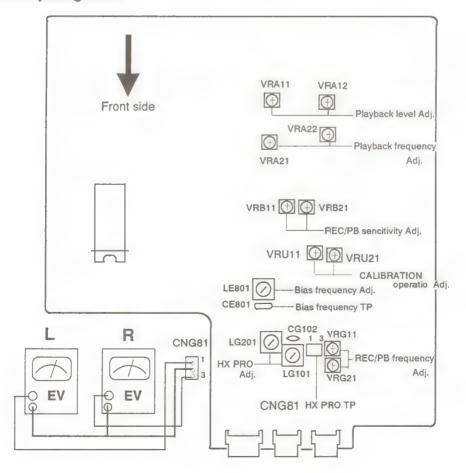
Direction of gauge movement



	Adjustment and Check Items	Method	Standard	
1	Flywheel and thrust check	Check by feel.	0.2~0.5 mm	
2	Pinch roller contact timing check	The right side pinch roller must contact the capstan shaft before the left side pinch roller.		
3	Pinch roller guide height adjustment	Use M300 gauge to adjust (a) so that the 3.8 mm gauge passes.	gu	nch roller ide hight justment
4	Playback head height and tilt adjustment	Use the M300 gauge and adjust screw ® so that the 3.8 mm gauge passes the playback head tape guide.	Head guide height adjust	ment A
5	Playback azimuth adjustment	Playback the VTT704 tape and use screw © to adjust the output maximum and phase.	B	
6	Tape travel check	Use a C-90 padded tape and check for tape curl at the head when the tape starts winding.		Use mirror tape to check the tape travel.
7	Head mounting position	Use the M300 gauge to check that the playback head protrudes slightly beyond the recording head. The other ratings are as follows. Dimensions are in relation to guide post (H). Guide Post C During During B During B During B B B B B B B B B B B B B	0.05~ 0.35 mm	

	Adjustment and Check Items	Method	Standard	
8	Checking tape speed	Confirm that frequency counter reads 3000 ± 15 Hz while playing back VTT712 test tape.		
9	Checking wow and flutter	Connect a wow and flutter meter to LiNE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.08% (WTD).		If the reading becomes moving value even if conforming to the standard, a re-claim may be raised. Repairs are necessary.
10	Checking playback torque	Employ a torque testing cassette tape for the checking, or remove the cassette cover and use a torque gauge.	35~70 gr-cm	If the standard torque is not obtained, replace the take-up disc assem- bly.
11	Checking fast forward torque	Measure the torque in the fast forward mode in the same manner as in the above.	70~200 gr-cm	CT-120M: torque gauge.
12	Checking rewind torque	Measure the torque in the rewind mode in the same manner as in the above.	70~200 gr-cm	CT-F: torque gauge
		1		

♦ Location of Adjusting Point



■ Electrical Circuit Adjustment procedures

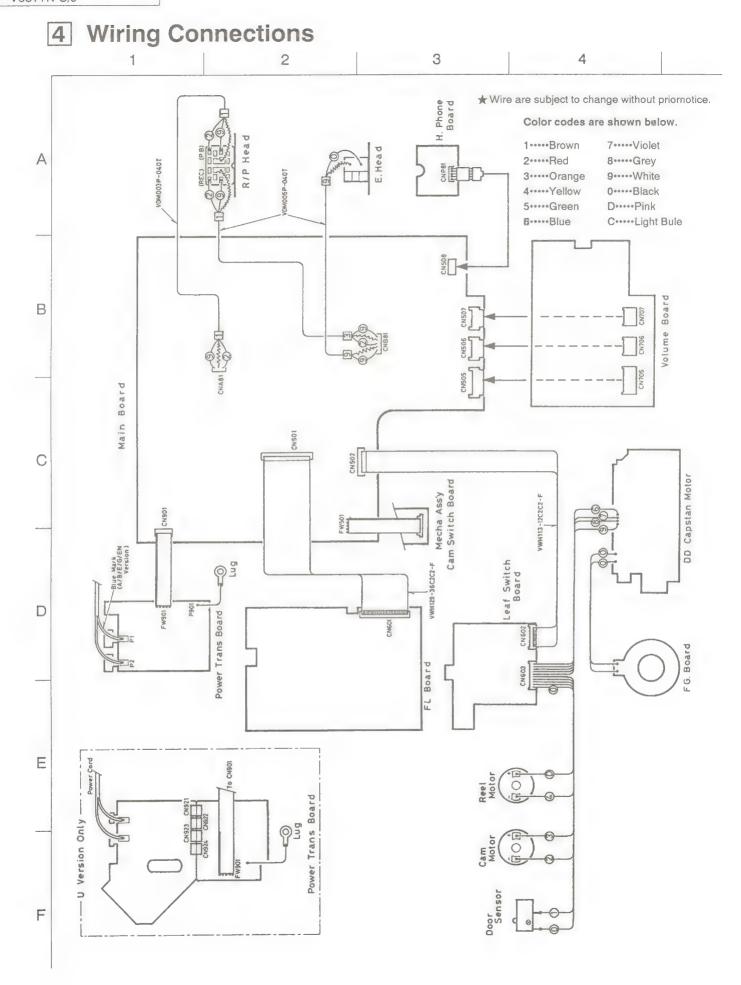
Make the following adjustments after the tape trabel and head angle adjustments.

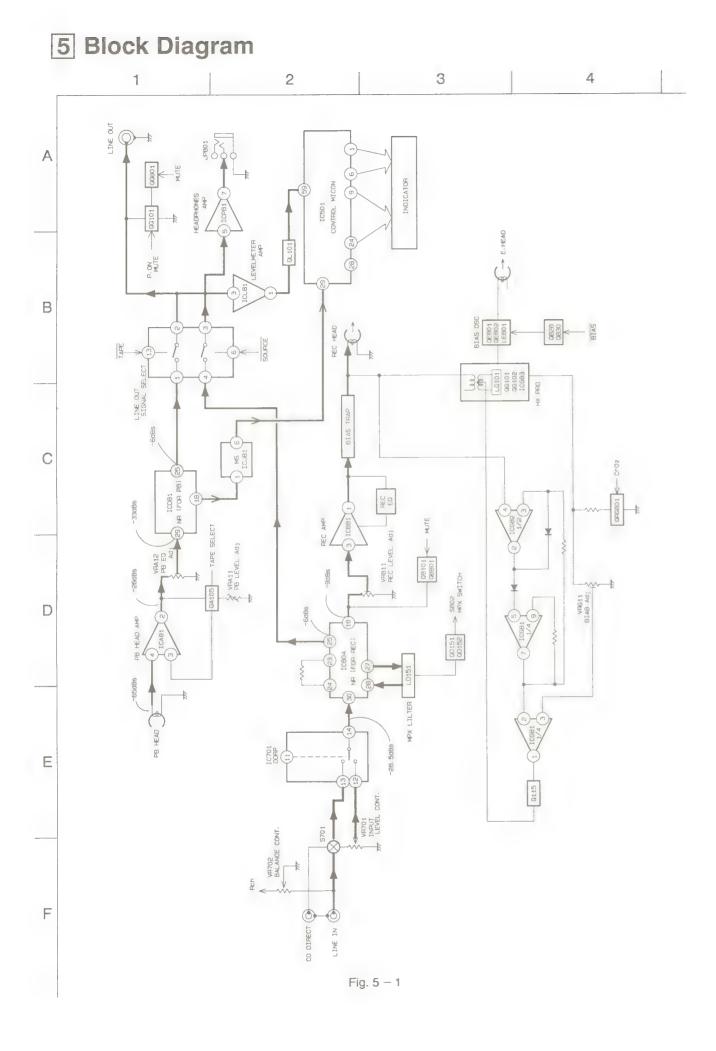
- In principle, the adjustments should be made in the order described.
- Adjustments required head replacement are marked with an asterisk(*).

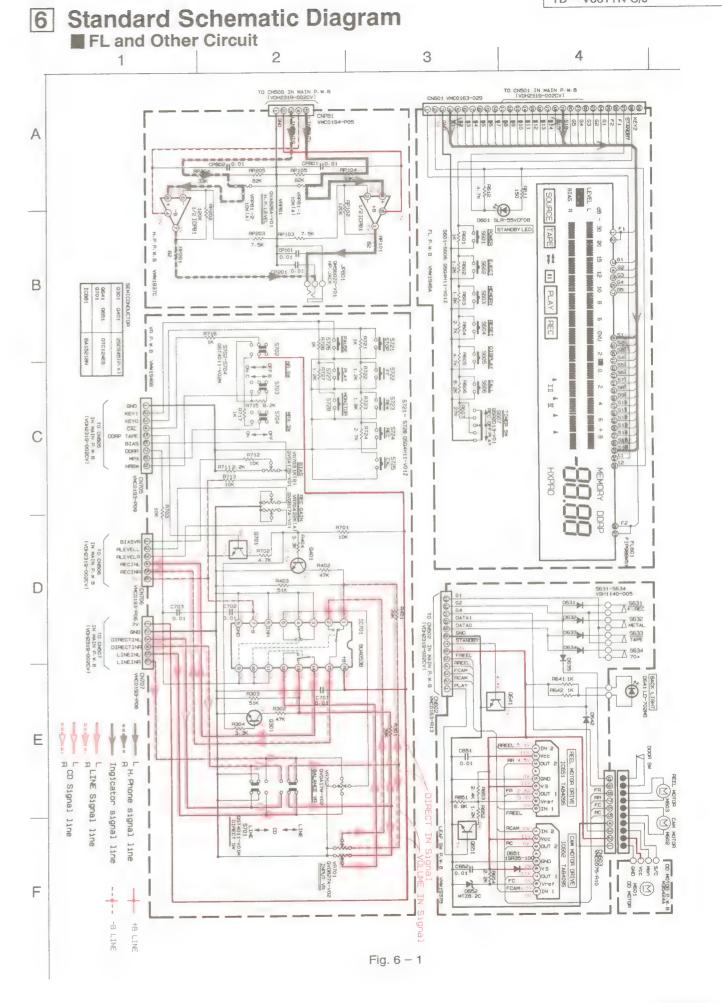
Item	Adjustment and Checking	Methods		
			Frequency Level	Output Value and Deviation
1.DOLBY NR circuit recoding	Signal Input : LINE IN cal.level	DOLBY B (REC)	1kHz Cal - 40dB	+5.7dB ± 2dB
	ecoding Output terminal : NRICA01		5kHz Cal - 20dB	+3.5dB ± 1.5dB
check			1kHz Cal 0dB	0dB ± 0.5dB
		DOLBY C (REC)	1kHz Cal - 40dB	+16dB ± 3/2 dB
			5kHz Cal - 20dB	+2.9dB ± 2.9dB
		()	1kHz Cal 0dB	OdB ± 1dB

Iteme	Conditions	Adjustment and Confirmation	Standard Values	Adjusting
*2.Playback level adjustment	Output terminal :LINE OUT Teat tape : VTT724	1. Play the VTT724(1kHz) test tape and adjust VRA11 and VRA21 so that the LINE OUT output is — 7.5dBs(the L-R channel output differential must be 0.5dB or less). 2. Head phone output check — 17.5dBs ± 3dB (L-R differential 2dB or less)	LINE OUT - 7.5dBs ± 0.5dB Phones level - 17.5dBs ± 3dB	Lch VRA11 Rch VRA21
*3.Playback equalizer adjustment	Output terminal :LINE OUT NR switch: OFF Test tape : VTT739 TMT735	1. Play the TMT735 (1kHz,12.5kHz) test tape and adjust VRA12 and VRA22 so that the out put value is standard at 1kHz and 12.5kHz. 2. Play the VTT739(1kHz,63Hz) test tape and check of 63Hz.	With 1kHz as reference, 0.5dB ± 0.5dB at 12.5kHz +1dB ± 3dB at 63Hz(VTT739)	Lch VRA12 Rch VRA22
4. Bias frequency adjustment	Record mode Test point : CE801 Frequency counter	Connect a frequency counter to the body of CE801 and adjust LE801 so that the counter reads 105kHz ± 1kHz.	105kHz ± 1kHz	, LE801
5. HX PRO coil adjustment	Record mode Test point : CNG81 (L: 1-2 PIN,R: 2-3 pin) DC volt meter	1. This step must be preformed after the bias frequency adjustment. 2. Load a metal tape and set the deck to the recording mode. 3. Adjust LG101(Lch) and LG201(Rch) to minimum respective voltage of CNG81.	Minimum output vaiue	Lch LG101 Rch LG201
6. Caribration adjustment	Normal tape	With a normal tape loaded, oress thw REC caribration key and play key simultaneously. Adjust VRU11(level)and VRU21(bias) so that the FL indicators LEVEL and BIAS respectively light in the range up to -marked position.		VRU11 : LEVEL VRU21 : BIAS

Iteme	Conditions	Adjustment and Confirmation	Standard Value	Adjusting	
*7 Recording / playback frequency adjustment	Input terminal : LINE IN Output terminal : LINE OUT Ref - 20dB : value - 20dB below the reference input value \(= -28dBs\)	1. Record 1kHz at the ref — 20dB input ,then record 63Hz and 12.5kHz and adjust VRG11 and VRG21 so that the difference between the 63Hz and 12.5kHz output is standard value in relation to the 1kHz output during playback. (Basically, adjust so that the 1kHz and 12.5kHz output are the standard values.)	With 1kHz as reference , 0.5dB ± 0.5dB at 12.5kHz	Lch VRG11 Rch VRG21	
	Center the bias volume VR701 (Control on the front panel)	nt (dB) Appr		oriate bias current bias current	
*8 Recording /	Input terminal : LINE	Input to the LINE IN terminal so that the	Normal :	Lch VRB11	
playback sensitivity adjustment	IN Output terminal : LINE OUT	source monitor output is -7.5 dBs. 2. Adjust VRB11and VRB21 so that the recording signal current is -7.5 dBs during recording and plaback.	- 7.5dBs ± 0.5dB Chrome,metal : - 8dBs+2dB, - 1 dB	Rch VRB21	
9. Recording / playback distortion check	Input terminal : LINE IN Output terminal : LINE OUT	 Record a 1kHz signal so that the LINE OUT output is - 2dBs and the level indicator is +6dB. Use a distortion meter to check if the output is the standard valie during playback. 	Nomal tape: 2% OR less Chrome tape: 3% or less Metal tape: 3% or less		
10. Recording / playback S/N ratio check	input terminal : LINE IN Output terminal : LINE OUT	Recod a 1kHz, 0dB input and then remove the input and recrd without a signal. Playback thia recoding and measure the difference between the 0dB recording and no-signal recording. The standard values must be satisfied.	Normal tape : 40dB or more Chrome tape : 41dB or more Metal tape : 41dB or more		
11. Erase ratio check	Input terminal : LINE IN Output terminal : LINE OUT Band pass filter	 Apply a 1kHz signal from LINE IN and adjust the input level knob so that the input level is – 8dBs. Increase the signal level to 20dB and record. rewind and erase the recorded section of the tape. Measure the output ratio between the signal and no-signal sections of the tape with an electronic voltmerer. 	55dB or more 1kHz 0VU +20 dB input Band pass filter(B.P.F.) (1kHz) Connect a B.P.F (band between the deck and voltmeter	-	







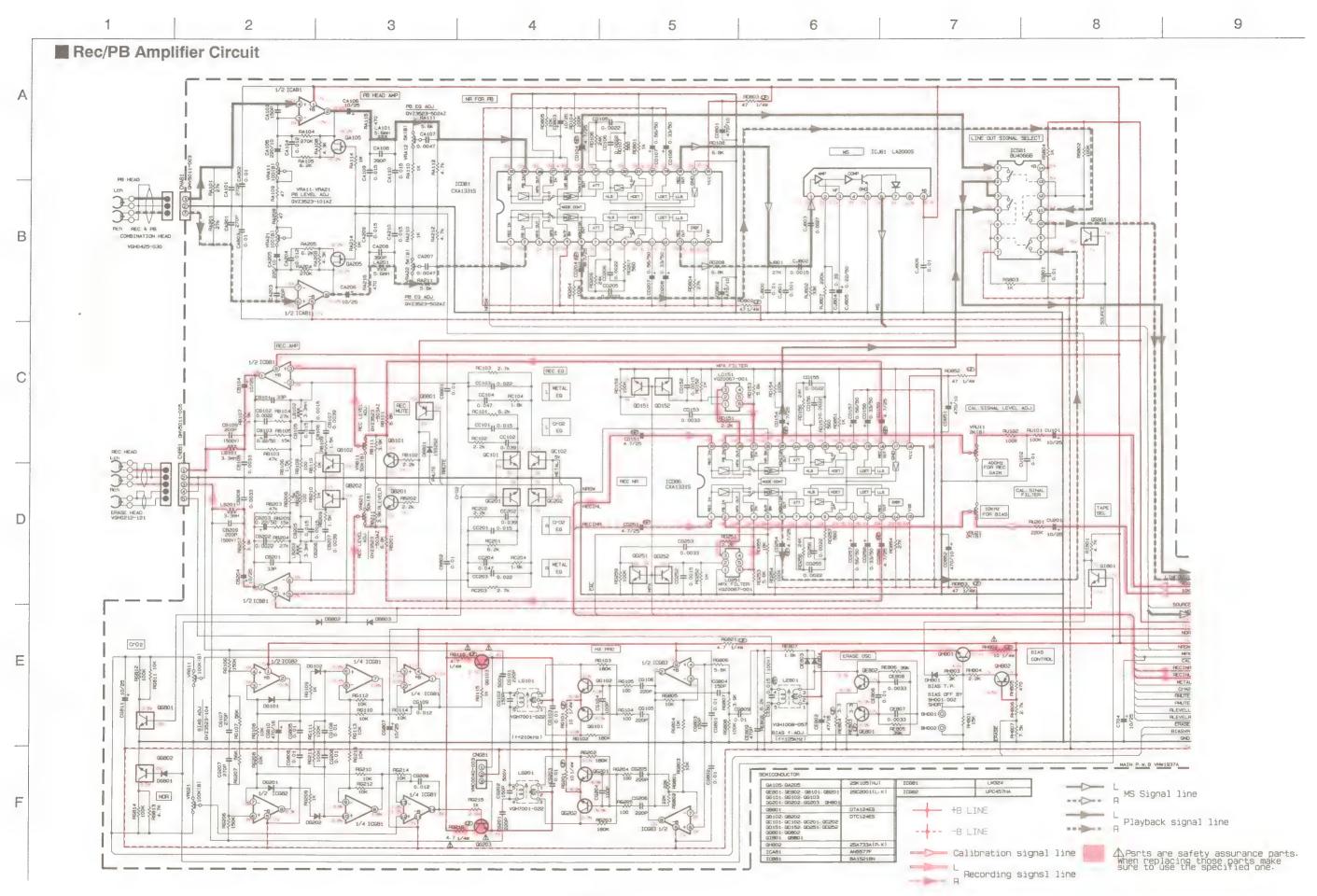


Fig. 6 - 2

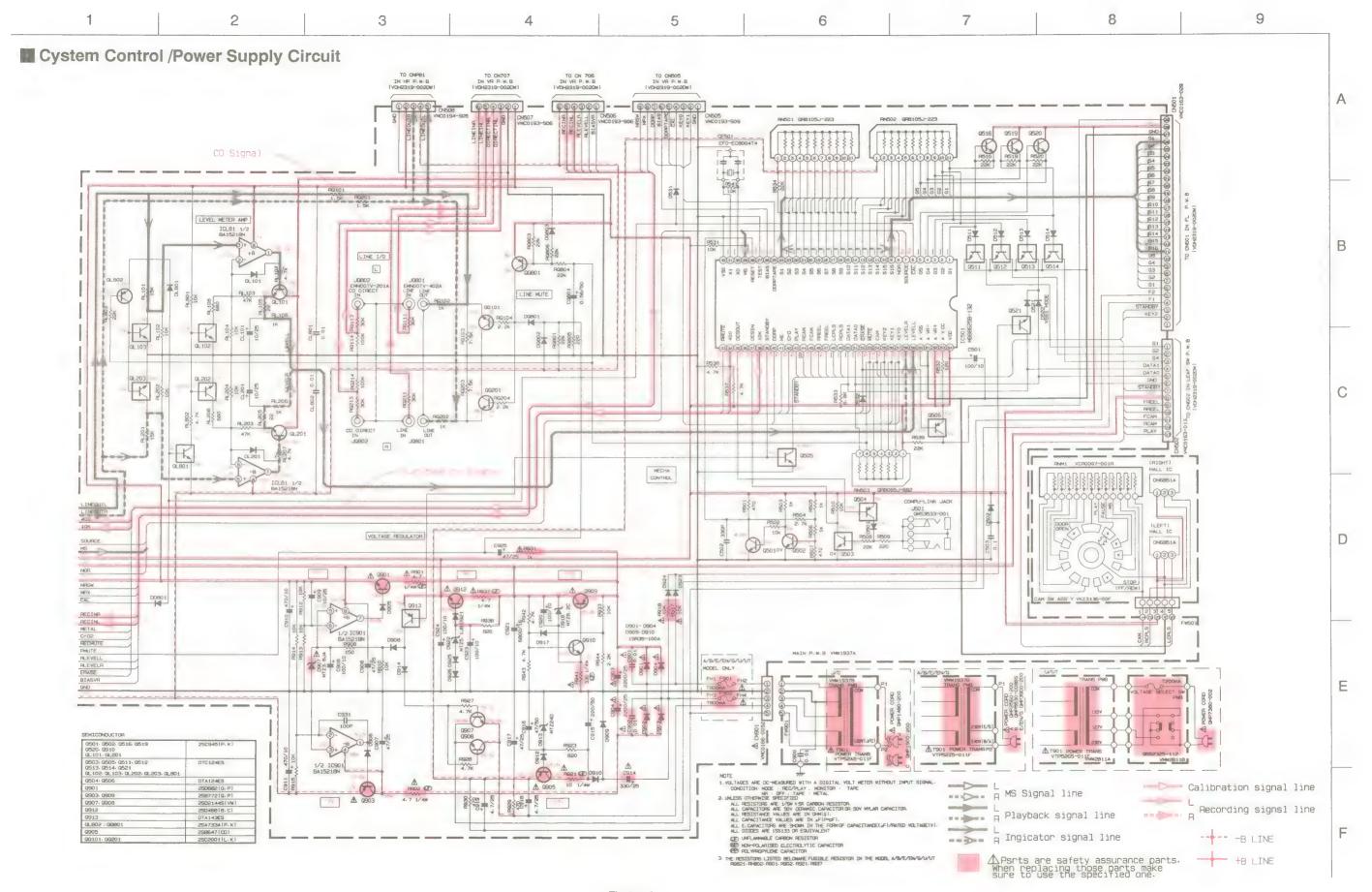


Fig 6 - 3

7 Location of P.C.Board Parts and Parts List 8 Main Board **♦** Power Supply Board A/B/C/J/E/EN/G--В D **♦** Leaf Switch Board **♦** H.Phone Board

Fig. 7 - 1

2.7.0	acx
0000	CB109 QCS12HJ-201 CB201 QCS11HJ-330 CB202 QCSB1CM-222
3 0 0	3 0 0
9 9	9 9
QCVB1CM-103Y	CB802 QCVB1CM-1
QCC11EM-475V	CC104 &CC11EM-4
_	
GENG1FR-4757N	CONTRACTION OF NOTER.
QETCIHM-5642N	CD108 QETC1
GFLC1HJ-1522M	CD152 GFLC1
GFN61ER-4757N	C0155 @TLC1
QFLC	CD155 QFLC
QFLC1HJ-222ZM	CD156 QFL
GETCTHM-3542N	CD158 AET
GEN61ER-475ZN	
QFLC1HJ-222ZM	
QFLC1HJ-2222M	CD206 QFL
QETC1HM-3342N	-
1	-
GEN61EK-4/52N	CD254 WENGT
1	2 1
QETC1HM-334ZN	
GEN61ER-475ZN	
QETC1AM-477ZN	- 1
GETC1AM-477ZN	
GETC1EM-106ZN	CD803 QETC1EM-
QETC1AM-	_
2000	_

REMARKS SUFFIX		MF +100:-0% MF +100:-0%		.010MF 20% 16V .56MF 20% 50V	.010MF 20% 16V	OMF 20% 25V	010MF 5% 50V	e 0																																
PARTS NAME	CONNECTOR	C CAPACITOR .010MF	CAPACITOR	C CAPACITOR .010MF	CITOR	ACITOR 1	0 6	ורדוחע	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE SI DIODE	ZENER DIODE	SI DIODE	SI DIODE	SI DIODE	DIODE	ZENER DIODE	DIODE	SI DIODE		ZENER DIODE	DIODE	ZENER DIODE	DIODE	ZENEK DIODE	DIODE	DIODE	DIODE	DIODE	1004
A REF. PARTS NO.	CN602 VMC0163-R13 CN603 VMC0075-R10N		1	CPBO2 QCVB1CM-103Y	5 0		0 0	501	0 502 155133	511	512	0 513 155133	521 15313	522	531	532	631	633	-	635	D 642 188133	652	D 901	206	D 904	D 905 188133	907 N	D 908 155133	900	D 912 188133	913	0 914 155133	918	921 158133	D 922 MTZ5.1JB	924 1	925 18813	D 926 188133	18813	200
SUFFIX																														Address of the contract of the										
REMARKS	5% 1	3300PF 5% 50V 3300PF 5% 50V 470PF 10% 50V	2	150PF 10% 50V	.010MF 20% 16V	100PF 10% 50V	220PF 10% 50V	220PF 10% 50V	26 36	36	220PF 10% 50V	150PF 5% 500V	2 %	10%	10%	10%	.010MF 5% 50V		.010MF 20% 16V	SOPE	150FF 10% 50V	.010MF 20% 16V	10MF 20% 25V	.010MF 5% 50V 470MF 20% 16V	10MF 20% 25V	1000PF 20% 16V	20%	2700PF 20% 16V	.22MF 20% 50V	2	20%	10MF 20% 23V	200							
PARTS NAME	E CAPACITOR	CAPACITO	ERAMIC	C CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR		-		C CAPACITOR						C CAPACITOR			C CAPACITOR		CAPACITOR	CAPACITORR	CAPACITOR	CCAPACITOR		CAPACITOR	E CAPACITOR	O		CAPACILOR	C CAPACITOR		CONNECTOR	CONNECTOR	CONNECTOR	CONNECTOR	CONNECTOR	
PARTS NO.	QETC1CM-4762	QFLC1HJ-33 QFLC1HJ-33 QFLC1HJ-33	EF0-6C8004	G101 QCBB1HK-221Y	QCVB1CM-10	QCB	QCBB1HK-22					QCS32HJ-151ZV			QCBB1HK		GFLC1HJ-1032M	QCVB1CM-103Y	QCVB1CP	QCBB1HK-1	QCBB1HK-151Y	GCVB1CM-103Y	" QETC1EM-1062N			QCVB1CM-103Y	QCXB1CM-152Y	S QCXB1CM-272Y	G GETC1HM-224ZN	1			QCVB1CM-103Y		UMC0040-0037		VMC0262-02	VMC0163-013		
	E802	0000		- 0	I'M IV	6104	EU ,	6100	6108	CG109	G201	6202	70207	6205	6206	5	00208		CG802	162 .	CG804	CG806	CG807	06809	CG811	CJ800	CJ802	41 -	0.1805	CJ806	CL101	CL 201	802	CNA81	CNB81	CNP81	CN501	CN502	200	Ì

SUFFIX																																															
REMARKS																																															
PARTS NAME	TRANSISTOR	TRANSISTOR	S	TRANSISTOR	TRANSISIUR	TRANSISTOR	TRANSISTOR	SI	TRANSISTOR	TRANSISTOR	RANSI	TRANSISTOR	RANSI	TRANSISTOR	TRANSISIOR	TANALOLOR	TRANSISION	FET TRANSISTOR	E	RAN	TRANSISTOR	TRANSISTOR	RANSI	TRANSISTOR	TRANSISTOR	RANSI	TRANSISTOR	TRANSISTOR	RANSI	RANSI	TRANSISTOR	DANG	RANSI	RANSI	TRANSISTOR	TRANSISTOR	TRANSISTOR	TRANSISION	TRANSISTOR	RANSI	TRANSISTOR	RANSI	RANSI	RANSI	TRANSISION	ANSI	U
PARTS NO.	DTA124ES	0			25094	3 (0	25	N		2	S		4 (1		N		2502		DTA1		DIC124ES	DTC124ES						10	1 (4	2SC2001(L,K)	2SC2001(L,K)		25C2001(L/K)		N	2SA733A	0	280945		25.007.5	DTC12	7 7 7 7
A REF.	1	0 0 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1			0100					Ø		ø		3 (A 912	QA105	QA205	QB101	QB102	QB201	QB202	QB801	ac101	AC 102	90202	QD151	QD152	QD251	QD252	2000	06101	06102	96103	06201	96202	96203	00000	QH801	QH802	01801	QL101	QL 102	QL 103	01202	10110
SUFFIX													A.B.E.EN	G N N L																																	
REMARKS														FDR F901/F902	0 0 0 0	PE HEAD AMP	ш		HX PRO			MS		N.E.	CINE SIG SEL	REEL MOTOR DRIV	AM		DCS JACK		PIN JACK						200	× > 0	× 1 2								
PARTS NAME	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	DIODE	111	FUSE CLIP	FUSE CLIP	-	H T C	DOLBY TC	1		IC	IC	IC	IC	J C	IC	IC	IC	IC	JACK		PIN JACK		INDUCTOR	INDUCTOR	INDUCTOR	INDUCTOR	INDUCTOR	FILTER	OSC COTI (BIAS)	OSC COIL (BIAS)	OSC COIL(BIAS)		POST PIN	POST PIN	TANNSISTOR	TRANSISTOR	AN
S NO.	20	M n	133	133	155	13 (14 (14 (14 (14 (14 (14 (14 (14 (14 (14	133	133	133	133	133	5133	VMZ0087-001Z	VM20087-0012	VMT4011-201	ANOUS - T	CXA1331S	CXA1331S	LM324N	UPC4570HA	UPC4570HA	LA2000S	XRA15218N	RA15218N	MG884258-142	3	TA8409S	XRA15218N	QMS3533-001	QMS6032-V01	EMNOOTV-402A	AP0001-5627S	aP0001-5622S	aP0001-3322S	VQP0001-3322S	3P0001-332ZS	P0001-3322S	VW 2006 7 - 001	H1008-057	VQH7001-022	H7001-022	20015-005	20015-005	20015-005	280945	C124FS	TA12/ES
PART	15513	188133		DG201 15S		188	155	155	155	188	155	150	Σ .	2 2	2	2 >	2	0	7		ICG83 U		×		ICSG1 B			1C901 X		8	u lu	1 4101 V	LAZO1 V	LB101 V	B102 V	>	L8202 VG	3 0	FRO1 VO	0	LG201 VQ	Z	>	Σ	71 0	7 0	2 6

SUFFIX	A,B,E,EN G,U,UT																						and a popular transfer or the second													
REMARKS	10K 5% 1/6W 4.7 5% 1/4W 4.7 5% 1/4W	20 5% 1/6	330 5% 1/4W 4.7K 5% 1/6W	4.7K 5% 1/6W	7K 5% 1	270K 5% 1/6W	6.2K 5% 1/6W	47 5% 1/6W	1.0K 5% 1/6W	5.6% 5% 1/6W	1.0M 5% 1/6W	470 5% 1/6W	270K 5% 1/6W	30	4.3K 5% 1/6W	1,0K 5% 1/6W	5.6K 5% 1/6W	4.7K 5% 1/6W	470 5% 1/6W	2.2K 5% 1/6W	47K 5% 1/6W	15K 5% 1/6W	1.5K 5% 1/6W	100 5% 1/6W	1.5K 5% 1/6W	3.9K 5% 1/6W	6.8K 5% 1/6W	2.2K 5% 1/6W 47K 5% 1/6W	27K 5% 1/6W	15K 5% 1/6W	1.5K 5% 1/6W 3.9K 5% 1/6W	5% 1/	1.5K 5% 1/6W	2 36	6.2K 5% 1/6W	0 1 2 2 1
PARTS NAME	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR	RBON RESISTOR	RESISTOR	STOR	RESISTOR	RESISTOR	CARBON RESISTOR	RESISTOR	RESISTOR	CARBON RESISTOR	RESISTOR	RESISTOR	TOR	RESISTOR	CARBON RESISTOR	RESISTOR	RESISTOR	RESISTOR	RESISTOR	RESISTOR	RESISTOR	080	RESISTOR	ARBON RESISTOR	RESISTOR	OR	RESISTOR	OR	RESISTOR	RESISTOR	CARBON RESISTOR	RESISTOR	800	ARBON RESISTOR	CARBON RESISTOR	ANDON RESTS
PARTS NO.	3 QRD161J-103 7 QRZ0077-4R7X 7 QRZ0077-4R7X 9 QRD146 1-4R75	@RD161J-	QRD14CJ	QRD161J		QRD161J		QRD16		QRD167J-562	QRD16		QRD16	QRD161J	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	QRD1611-102	QRD167J-562	QRD161J-472		QRD161J-222		QRD161J	QRD161J-152	QRD16		QRD1611-392	QRD167J-682	QRD161J-222	QRD161J-273	1	GRD161J-152		QRD161J-152	QRD161	QRD161J-622	מוסדמעש
A REF.	电电电	200	R 94	76	RA101	RA10	RA105	RA109	RA110	RATI	RA114	RA116	RAZO	RA20	RA208	RA21	RA211	RA212 RA214	RAZ1	RB102	RB103	R8105	RB106	RB108	RB109	RB111	RB201	RB202	RB204	RB205	RB206	000	RB209	200	RC101	TC TO E
SUFFIX																					A B A B A B A B A B A B A B A B A B A B	12	A.B.E.EN	G,U,UT	C . J						A,B,E,EN	Grurut	۲^2			
																				1										- 1				1		
REMARKS		70	OK 5% 1/	1.0K 5% 1/6W 2.7K 5% 1/6W	5% 1	5% 1	n in	5%	N	5% 1/	5% 1/	10K 5% 1/6W	36	5% 1/6W	4.7K 5% 1/6W	5% 1/	5% 1	. OK 5% 1	6.8K 5% 1/6W	.4K 5% 1	10 X V V V V V V V V V V V V V V V V V V	7 2 2 2 2	W W %	1 10	4.7 5% 1/4W	5% 1/	5% 1/	10K 5% 1/6W	5% 11	200	N %	1/	4	5%	1	2 9 1
EMARK	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	RANSISTOR	RESISTOR 10K 5% 1/	SISTOR 1.0K 5% 1 SISTOR 2.7K 5% 1	RESISTOR 1.0K 5% 1	ARBON RESISTOR 1.0K 5% 1	RESISTOR 22K 5% 1	RESISTOR 220 5% 1	RESISTOR 10K 5% 1/	RESISTOR 22K 5% 1/	RESISTOR 22K 5% 1/	RESISTOR 10K 5% 1	RESISTOR 6.8K 5% 1	RESISTOR 22K 5% 1/6W	RESISTOR 4.7K 5% 1	RESISTOR 22K 5% 1/	RESISTOR 10K 5% 1/	RESISTOR 1.0K 5% 1	STOR 6.8K 5% 1/	RESISTOR 2.4K 5% 1/	RESISTOR 2.2K 5% 1	RESISTOR 4.7 5% 1	RESISTOR 4.7 5% 1	RESISTOR 4.7 5%	SISTOR 4.7 5%	RESISTOR 10K 5% 1/	RESISTOR 10K 5% 1/	SISTOR 10K 5% 1	RESISTOR 10K 5% 1/	RESISTOR 10K 5% 1/	SISTOR 10 5% 1/	RESISTOR 10 5% 1/	RESISTOR 10 5% 1/4 RESISTOR 820 5% 1/	SON RESISTOR 4.7K 5% 1	SON RESISTOR 4.7K 5% 1	200000000000000000000000000000000000000
ARTS NO. PARTS NAME REMARK	3A(P,K) TRANSISTO O1(L,K) TRANSISTO O1(L,K) TRANSISTO TRANSISTO TRANSISTO TRANSISTO	DESTRUCTION TRANSISTOR AND ESTATE OF EN	13-4/1 CARBON RESISTOR 4/0 5% 1/	QRD161J-272 CARBON RESISTOR 1.0K 5% 1 QRD161J-272 CARBON RESISTOR 2.7K 5% 1	QRD161J-102 CARBON RESISTOR 1.0K 5% 1	ORDIGIJ-102 CARBON RESISTOR 1.0K 5% 1	J-223 CARBON RESISTOR 22K 5% 1	QRD161J-221 CARBON RESISTOR 220 5% 1	QRD1611-103 CARBON RESISTOR 10K 5% 1/	GRD1611-223 CARBON RESISION 22K 5% 1/	QRD161J-223 CARBON RESISTOR 22K 5% 1/	RESISTOR 10K 5% 1	QRD167J-682 CARBON RESISTOR 6.8K 5% 1	QRD161J-223 CARBON RESISTOR 22K 5% 1/6W	CARBON RESISTOR 4.7K 5% 1	QRD1613-223 CARBON RESISTOR 22K 5% 1/	QRD161J-103 CARBON RESISTOR 10K 5% 1/	QRD1613-102 CARBON RESISTOR 1.0K 5% 1	RESISTOR 6.8K 5% 1/	QRD161J-242 CARBON RESISTOR 2.4K 5% 1/	LESZ CARBON RESISTOR 2.2K 5% 1	GRZOO77-4R7X CARBON RESISTOR 4.7 5% 1	GRD14CJ-4R7SX CARBON RESISTOR 4.7 5% 1	QRZ0077-4R7X CARBON RESISTOR 4.7 5%	QRD14CJ-4R7SX CARBON RESISTOR 4.7 5%	QRD161J-103 CARBON RESISTOR 10K 5% 1/	QRD161J-103 CARBON RESISTOR 10K 5% 1/	GRD1613-103 CARBON RESISION 10K 5% 1	QRD161J-103 CARBON RESISTOR 10K 5% 1/	QRD161J-103 CARBON RESISTOR 10K 5% 1/	QRD161J-103 CARBON RESISTOR 10K 5% 1 QRZ0077-100 CARBON RESISTOR 10 5% 1/	QRZ0077-100 CARBON RESISTOR 10 5% 1/	100SX CARBON RESISTOR 10 5% 1/4	QRD161J-472 CARBON RESISTOR 4.7K 5% 1	QRD161J-472	CANDON DESTOURN AND AND AND AND AND AND AND AND AND AN

A REF.
RG115 RG116 RG201
RG203
RG205
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RG211
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Power Supply Board (U/UT only)

1/6W 1/6W 1/6W
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1/6W
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W9/
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M9
LEVEL ADJ.)

Main Board Parts List

Sub Board

В

C

D

E

1 2 3 4

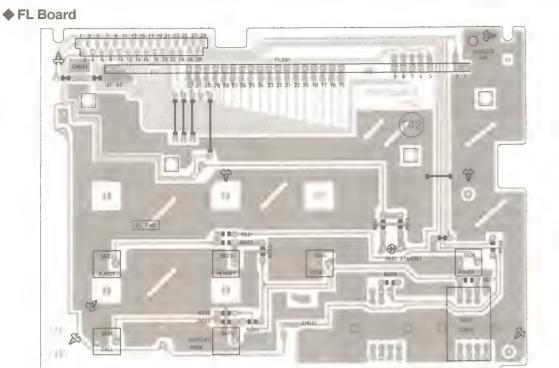


Fig. 7 - 3

♦ Volume/Switch Board

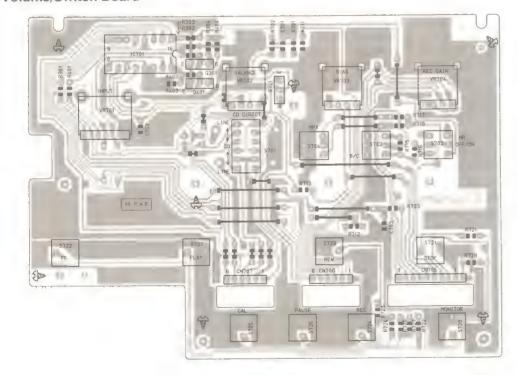


Fig.7 - 4

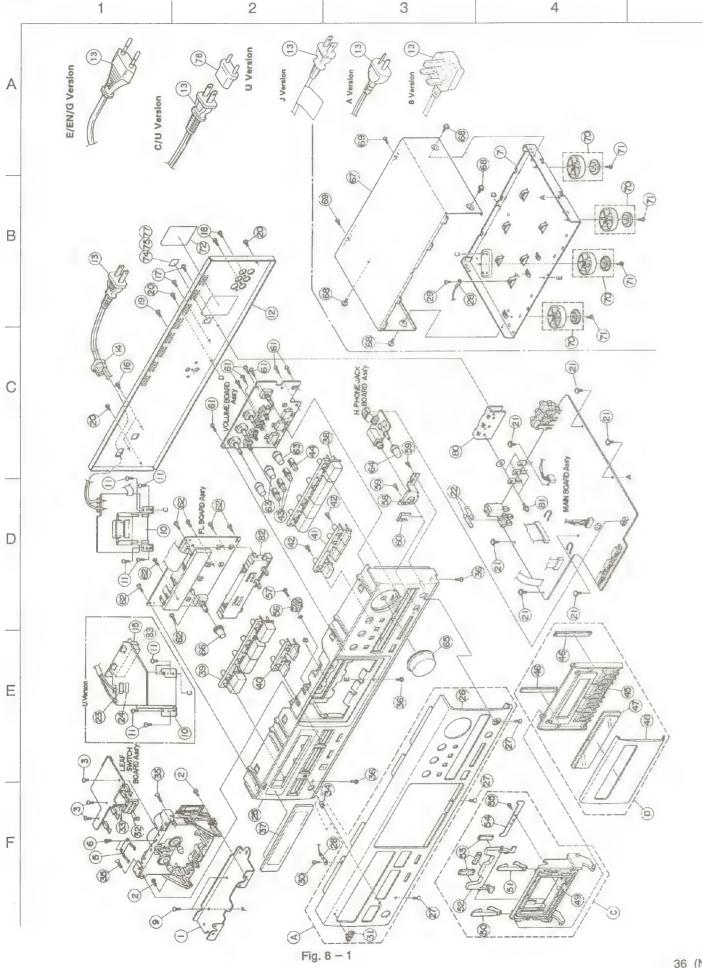
Sub Board Parts List

Sub Board Parts List

SUFFIX																										
REMARKS	TIMER SWITCH	INE	NR ON/OFF	NR B/C	V LO	ט ע	3	₩ 111 C	A P P C	DALLSE	2 0 0	SOLING	. I d N	ALANCE	IAS VR	C										
PARTS NAME	JTARY S	JSH SWITCH	USH SWITC	PUSH SWITCH	OFFICE POS	CHARLE OF THE	OFFICE TOP	OFFICE POR	O - 1 30 - 0 4	7 - T - C - C - C - C - C - C - C - C - C	C	ACT SWITC	DESTATOR	RESISTE	RESISTE	RESISTE										
PARTS NO.	SR2D13-V0	ST4011-V01	ST4011-V02	QST4011-V02M	S 4011-VOZ	ON THE PROPERTY OF	00111100	001111100	SG TH TI - VO	000000000000000000000000000000000000000	004011000	07-11-100	07-47000	VGA17W-VO	VGA17B-VO	VGB17A-V0										
REF.	10	20	70	\$ 703	2 5	7 1	1 0	7 1	200	100	1 0	1 0	7 0	270	270	R70										

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	000
A	ST
Z	INPUT
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7 11	STOR 47K
4 0	OR
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e-1	OR
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	TOR 1
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8 Exploded View of Enclosure component Parts and Parts List



5	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
+	1	ZCTDV661J-FTN	FRONT PLATE	SERVICE PARTS	1		TN
		ZCTDV662K-FBK	FRONT PLATE	SERVICE PARTS	1		BK
		ZCTDV661K-CH	CASSETTE HOLDER	SERVICE PARTS	1		
1		ZCTDV661K-CL	CASSETTE LID	SERVICE PARTS	1		TN
		ZCTDV662K-CL	CASSETTE LID	SERVICE PARTS	1		BK
+	4	VKM3662-002	MECHA BRACKET		1		
	2	SBST3006Z	SCREW	MECHA BRACKET	2		
	,	SDST2608Z	SCREW	LEAF SWITCH	3		
1		VKY4279-001	PACK SPRING		1		
		SDST2604Z	SCREW	PACK SPRING	2		
+	7		CHASSIS BASE	1,71011	1		
	- 1		SCREW	MECHA. BRACKET	2		
		SBST3006Z	POWER TRANS.	TIEOTHI DITTORE	1	CrJ	
7	10	VTP52A5-011F	POWER TRANS.		1		
7		VTP52G5-011F		1	_	A,E,EN,G	
4		VTP52Z5-011F	POWER TRANS.		1		
7		VTP52Z5-011FBS	POWER TRANS.	FOR POWER TRANS	4	D	
-		SBST3006Z	SCREW	FUR PUWER IRANS	1	C,J	TN
	12	VJC2410-040	REAR PANEL		1		BK
		VJC2410-044	REAR PANEL				BK
		VJC2410-046	REAR PANEL		1		DK
1	13		POWER CORD		1		
1		QMP1900-200	POWER CORD		1	C	
2		QMP2560-200	POWER CORD		1	A	
1		QMP3900-200	POWER CORD		1		
		QMP5530-0085BS	POWER CORD		1		
		QMP7380-200	POWER CORD		1	U,UT	
	14	QHS3771-108	CORD STOPPER		1		
		QHS3771-108	S R BUSHING		1	EN,U,UT	
		QHS3771-108BS	CORD STOPPER		1	В	
2		QHS4077-108	S R BUSHING		1	CrJ	
12	15	VKS5011-001	VOLTAGE CONTACT		1	U,UT	
	16		SCREW	V.CONTACT	2	U,UT	
1		SBSF3008M	SCREW	FOR HEAT SINK	2		
		SBSF3008M	SCREW	FOR PIN JACK	2		
	1	SBSF3008M	SCREW	FOR DCS JACK	1		
+		SBST3006M	SCREW	FOR REAR+CHASSI	3		
	21		SCREW	FOR MAIN BOARD	6	}	
		QMF51A2-R80	FUSE	F901,F902		A,E,EN	}
22 22 23	22			F901,F902	2	1	
		QMF51A2-R80	FUSE	F901,F902		В	
	0.7	QMF51E2-R80BS	FUSE	F903		U,UT	+
		QMF51A2-R20	FUSE	FOR F903	1		[
		VND4003-032	FUSE LABEL	C/J ONLY	1		TN
1	25	VJG1229-002UL	FRONT PANEL	C/J UNL1			BK
		VJG1229-003	FRONT PANEL		1		BK
	26	VJG1230-006	FRONT PLATE		1		TN
		VJG1230-005	FRONT PLATE		1		119
	27	SSSF3008Z	SCREW	FRONT PLATE	3		
1	28	VWE240-18NTNT	LUG WIRE		1		
į	29	SBST3006Z	SCREW	LUG WIRE	1		
-	30	SSSF3010Z	SCREW	FRONT PANEL+LUG	1		
1	31	VJD5429-001	JVC MARK		1		
	32	LD-702MG	LED	BACK LIGHT	1		
-		QXT3100-015	TUBE	BACK LIGHT	2		
-		VJK4402-001	LENS	POWER STANDBY	1		
		SSSF3012Z	SCREW	FOR MECHANISM	2		
1		SBST3006M	SCREW	FOR FRONT PANEL	3		
-		VJK3614-002	FINDER		1		BK
	- 1	VJK3614-001	FINDER		1		TN
	38	VXP3582-002	MECHA BUTTON	STOP/PLAY	1		BK
	50	VXP3582-001	MECHA BUTTON	STOP/PLAY	1		TN

BLOCK NO. MIMM	
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_				BLOCK NO. MITMI			
2	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLF
1	39	VXP3583-002	OPERAT.BUTTON	POWER, RES, OPEN	1		ВК
ı		VXP3583-001	OPELAT.BUTTON	POWER, RES, OPEN	1		TN
l	40	VXP3596-002	PUSH BUTTON(L)	D MODE, D.P. CAL	1		BK
İ		VXP3596-001	PUSH BUTTON(L)	D MODE, D.P.CAL	1		TN
l	41	VXP3597-002	PUSH BUTTON(R)	MUTE, PAUSE, R. CA	1		BK
1		VXP3597-001	PUSH BUTTON(R)	MUTE, PAUSE, R. CA	1		TN
١	42	SBSF2610Z	SCREW	FOR P.BUTTON	2		
İ		VXP5202-002	PUSH BUTTON	DOLBY, MPX FILTE	3		BK
I		VXP5202-001	PUSH BUTTON	DOLBY, MPX FILRE	3		TN
1	44	VXP5202-002	PUSH BUTTON	FOR CD DIRECT	1		BK
t		VXP5202-001	PUSH BUTTON	FOR CD DIRECT	1		TN
l	45	VJT3348-001	CASSETTE LID		1		
1		VJD5341-001	PAD		2		
l		VJD3961-001	CASSETTE LENS		1		
ŀ		VJT3349-002	LID PLATE		1		BK
t	40	VJT3349-001	LID PLATE		1		TN
	4.0	VJT2322-001	CASSETTE HOLDER		1		
ı		VKY4382-007	CASSETTE SPRING	LEFT	1 1		
l		VKY4382-008	CASSETTE SPRING	RIGHT	1		
l		VJT3314-003	C. STABILIZER	11.2.3111	1		
ł		VJD5341-001	PAD		3		
l	54	VKY4638-001	SPRING		1		
l		SDSF2605Z	SCREW		1		
I			DUMPER ASS'Y		1		
l		E305654-001		FOR DAMPER	1		
1	57		SCREW		1		
l	1	VYH7797-002	JACK BRACKET	FOR HEAD PHONE	2		
ŀ	59	SBSF2610Z	SCREW	FOR JAC BRACKET			
l		VKL6752-001	SNAP PLATE	FOR HEAD PHONE	1		
1	61	SBSF2610Z	SCREW	FOR TIMER BOARD	7		
	62	SBSF2610Z	SCREW	FL BOARD	7		
1	63	VXL4432-002	KNOB	BALANCE&BIAS	3		BK
l		VXL4432-001	KNOB	BALANCE&BIAS	3		TN
İ	64	VXL4432-002	KNOB	HP LEVEL	1		BK
l		VXL4432-001	KNOB	HP.LEVEL	1		TN
l	65	VXL3022-004	INPUT KNOB	INPUT	1		BK
t		VXL3022-003	INPUT KNOB	INPUT	1		TN
l	66	VXL4425-002	KNOB	TIMER	1		BK
l		VXL4425-001	KNOB	TIMER	1		TN
I	67	VJG1236-002	TOP COVER		1		BK
ĺ		VJG1236-001S	TOP COVER		1		TN
t	68	VKZ4614-001	SPECIAL SCREW	FOR TOP COVER	4		
Ì	69	SBST3006M	SCREW	FOR TOP COVER	2		
ł	70	E406379-008SS	FOOT ASS'Y		4	B, E, EN, G	BK
		VJF4039-00F	FOOT ASS'Y		4	A,U,UT	ВК
1		VJF4039-00E	FOOT ASS'Y		4	C,J	TN
t	71	SBST3008Z	SCREW	FOR FOOT	4		
l		VYN2319-M004PA	NAME PLATE		1	С	
l	1 6	VYN2319-M004PA	NAME PLATE		1	j	
l		VYN2321-M002PA	NAME PLATE		1	-	
1		V182321-1002FX	NAME PLATE		1	L)	
ļ		VYN2321-M003PA	NAME PLATE		1	A	
		VYN2321-M005PA	NAME PLATE		1		
I		VYN2321-M003PA VYN2321-M007PA	NAME PLATE		1		
ı					1	G	
١	7/	VYN2321-M008PA	NAME PLATE		1	C	
+		T44362-001	HYATT L«LABEL	HYATT LICENSE	1	J	
1		E407097-001		HIATT LICENSE	1	U,UT	
		V04062-001	CONTI.PLUG HEAT SINK		1	0701	
		VMH4011-201		9901,9903,9909	3		
		DPSP3008Z	SCREW	47017470374709	1		
- 1	82	VYH3671-002 QSS2325-112	FL TUB HOLDER SLIDE SWITCH	U VERSION		U,UT	
+	0.7						

Exploded View of Mechanism Component Parts A В 3 C D E

Fig. 9 - 1

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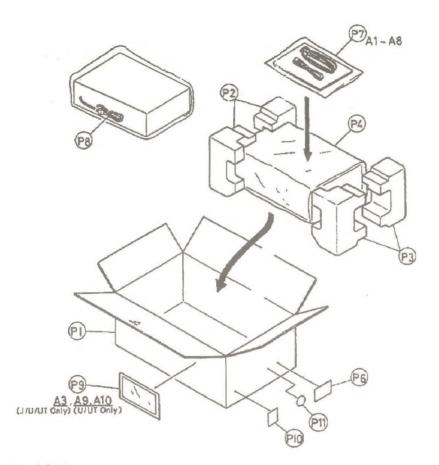
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A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLI
1	1	VKL2449-OAB	CHAS.BASE ASS'Y		1		
1	2	VKZ4003-015	FELT	P.ROLLER CAM	1		
		WFM467550	WASHER	P.ROLLER CAM	1		
1		VKS2202-002	P.ROLLER CAM		1		
l		VKW3001-276	C.SPRING	P.ROLLER CAM	1		
+		VKL5116-005	PLATE	P.ROLLER CAM	1		
ı				FOR R SIDE	1		
		VKF4199-00A	C.M.HOUSING				
		VKF4199-00B	C.M.HOUSING	FOR L SIDE	1		
	1	SDST2605Z	SCREW	C.M.HOUSING	6		
		VKZ4340-002	SCREW	P.ROLLER CAM	1		
	11	VKL6830-00E	LEVER L1 ASS, Y		1		
	12	VKW4872-001	T.SPRING	FOR LEVER L1	1		
I	13	VKL6832-001	LEVER L2		1		
l	14	REE2500X	E.RING	LEVER L1 ASS'Y	1		
		VKL6843-00C	LEVER R1 ASS,Y		1		
t		VKW4873-001	T.SPRING	FOR LEVER R2	1		
ı		VKL6845-001	LEVER R2		1		
l		REE2500X	E.RING	FOR LEVER R2	1		
1		VKH3000-147	COLLAR	FOR LEVER L1	1		
	1		CAM SWITCH ASSY	TON LEVEN EI	1		
+		VKZ3136-00F		WITH R.SHAFT	1		
	21	VKL2173-00E	DISK BASE				
		VKH4188-002	REEL SHAFT	ASS'Y PARTS	2		
		VKR3001-001	GEAR(2)		1		
l	23	VKR3001-002T	GEAR 2		1		
	24	VKR3000-001	GEAR(1)		2		
Ť	25	VKR4598-00A	REEL DISK ASS'Y		1		
	26	VKR4170-001	RING		1		
1	1	VKS4131-001	REEL STOPPER		1		
1		VKR4598-00A	REEL DISK ASS'Y		1		
l		VKZ4003-010	FELT		4		
+					1		
ı		VKR4170-001	RING				
ŀ		VKS4131-001	REEL STOPPER		1		
l		MMN6F2RA8Z-SA1	DC MOTOR ASS'Y	CAM MOTOR	1		
l	34	DPSP2608Z	SCREW	CAM MOTOR	1		
	35	MMN-6F4RA38	D.C.MOTOR	REEL	1		
T	36	FE-ZMS409	SHIELD CORE		1		
	37	VKR3000-004	GEAR(1)		1		
	38	VKS4503-00D	F/R ARM ASS'Y		1		
		SWSP2608Z	SCREW	REEL	1		
ì		SDST2605Z	SCREW	DISK BASE UNIT	1		
+				DISK BASE UNIT	1	***	
	1	LPSP2608Z	SCREW				
ĺ		SPSP2615Z	SCREW	CAM MOTOR	1		
		LPSP2614Z	SCREW	REEL MOTOR	1		
		M35689B	ROTOR ASS'Y		1		
1	45	VKF3192-00D	FLYWHEEL(L)ASSY		1		
T	46	VKW3001-306	C.SPRING		1		
	47	Q03093-622	WASHER		1		
		Q03093-829	WASHER		1		
		VKB3001-056	BELT		1		
		VKM3660-00A	F.G.BKT.ASSY		1		
+		SSST2605Z	SCREW		4		-
					1		
		M40689	F.G BOARD				
	-	SPSN2025M	TAP SCREW		3		
1	54	VKM3591-003	DD BKT		1		

BLOCK NO. M2MM

2	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CL
+	55	M35688A	STATOR ASS'Y		1		
	56	VKS5415-001	THRUST		2		
ı		SDSF2605Z	SCREW				
		VWE290-05A1A1	WIRE		2		
1		SDST2605Z	SCREW	DD BKT	2 2 3		
+		VKS4901-002	CASSETTE GUIDE	J24	2		
		SDST2605Z	SCREW		4		
		VKL5316-00G	H.BASE ARM ASSY		1		
		VKL3879-00B	P.R.LEVER(1)		1		
			P.R.LEVER(2)		1		
+		VKL6190-00C VKL3881-005	HEAD BASE		1		+
1		VKZ3159-003	E/R HEAD BASE		1		
		18400310AT	SPRING PLATE		1		
			SCREW	R/P HEAD	2		
		SDSP2006Z	SCREW	WIRE HOLDER	1		
+		LPSP2010Z	SCREW	E/R HEAD BASE	1		+
		SPSP2016N		WIRE HOLDER	1		
		LPSP2010Z	SCREW WIRE HOLDER	WIKE HOLDER	1		
		VKZ4604-001			1		
1		VGH0212-121	ERASE HEAD	E HEAD	1		
+		LPSP2012N	SCREW	E HEAD	1		-
		VKZ4001-009	WIRE HOLDER		1 1		
		VGH0425-030	R.P HEAD ASS'Y	5 11545	1		
		VKW4467-004	TORSION SPRING	R HEAD	1		
-		T41615-004	STEEL BALL		1		
		VKY4278-002	SPRING PLATE		1		
		VKP4210-00B	P.R.ARM ASY.(R)		1		
		VKW3006-056	TORSION SPRING	PINCH ROLLER	1		
		VKW3006-057	TORSION SPRING	RET	1		
	84	WFM316025	S.WASHER	P.ROLLER ARM	1		
		REE2500X	E.RING	P.ROLLER ASS'Y	1		
	86	VKP4129-00L	P.R.ARM ASY(L)		1		
	87	VKW4735-004	TORSION SPRING	PINCH ROLLER	1		
	88	VKW3006-060	TORSION SPRING	RETURN	1		
	89	VKS4513-001	ADJUST SCREW	P.ROLLER ARM	1		
1	90	VKS4512-003	GUID POST		1		
T	91	SDST2605Z	SCREW	GUIDE POST	1		
	92	VKM3336-006	SIDE BRACKET L		1		
	93	SSST2605Z	SCREW	SIDE BRACKET L	1		
		VKS2211-004	SLIDE LEVER L		1		
		VKH3001-085	F.COLLAR	SLIDE LEVER L	2		
+		LPSP2010Z	SCREW	SLIDE LEVER	2		
		VKW3002-277	SPRING	SLIDE LEVER	1		
		VKM3337-003	SIDE BRACKET R		1		
		VKS2212-003	SLIDE LEVER R		1		
		VKH3001-085	F.COLLAR	SLIDE LEVER R	2		
+		LPSP2010Z	SCREW	SLIDE LEVER R	2		
		VKW3002-268	SPRING	SLIDE LEVER	1		
	1	SSST2605Z	SCREW	SIDE BRACKET	1		
	-	SDST2605Z	SCREW	SIDE BRACKET R	3		
			WIRE HOLDER	SIDE DUVOKEL K	1		
+		VKZ4001-111		WIRE HOLDER	1		
		SDST2605Z	SCREW		1		
		VSH1162-002	SWITCH	DOOR SENSOR	1		
	110	SDSP2010Z	SCREW	SENSOR SWITCH	1		

10 Packing



Packing parts List

1	REF		PARTS NO.	PARTS NAME	REMARKS	Q'I'Y	SUFFIX	CLR
	A A	1 2	VMP0039-00D VNN2328-671M VNN2328-661M	PIN CORD INSTRUCTIONS INSTRUCTIONS		1 1 1 1	A.B.J C.E.G.EN.UT	
			VNN2328-271M	INSTRUCTIONS	500 DV 550	1	EN	
-	A	3	BT-20047F	WARRANTY CARD	FOR PX EES	1	U B	
П			BT20060	WARRANTY CARD		1	8	
		- 1	BT-20066A	WARRANTY CARD		1	A	
			BT-20122	WARRANTY CARD		1	A	
		- 1	BT-20122-1-A	WARRANTY CARD		1	C	
		_	BT-20025K	WARRANTY CARD		1	Jauaut	-
		- 1	BT-20047F	WARRANTY CARD	FOR JED	1	G	
		_	BT-20134	WARRANTY CARD	FOR PX EES	1	U	
	A	5	BT-20137	SERVICE NETWORK	FUR PX EES		_	
		- 1	BT20071A	JVC CENTER LIST		1	C	
1			BT-20137	SERVICE NETWORK		1	J,U,UT	
	A	6	E43486-340A	SAFETY I.SHEET		1	В	
			BT-20044G	SAFETY INST.		1	J	
4	A	-	EWP805-001E	REMOTE WIRE		1		
	A	9	VNC5311-203	LINE V CAUTION	FOR PX EES	1	U,UT	
			VNC5311-204	LINE V CAUTION	FOR EES	1	U,UT	
	P	1	VPC2329-M002	CARTON	TD-V562	1		BK
			VPC2328-M002	CARTON	TD-V561	1		TN
4	P	2	VPH2456-001	CUSHION (L)		1		
1	b	3	VPH2457-001	CUSHION (R)		1		
	P	4	E300196-031B	ENVELOPE	FOR SET	1	UT	
	P	6	TDV562BKUT-LAB	SERIAL TICKET	COMPUTER LABEL	1	EN	
		t	TDV562BKEN-LAB	SIRIAL TICKET	COMPUTER LABEL	2	C	
			TDV561TNC-LAB	SERIAL TICKET		1	A	
1		- 1	TDV562BKA-LAB	SIRIAL TICKET	COMPUTER LABEL	1	В	
1		_	TDV562BKB-LAB	SERIAL TICKET	COMPUTER LABEL	1	E	-
			TDV562BKE-LAB	SERIAL TICKET	COMPUTER LABEL	2	7	
			TDV561TNJ-LAB	SERIAL TICKET	COMPUTER LABEL	1	G	
		- 1	TDV562BKG-LAB	SERIAL TICKET	COMPUTER LABEL	1	U	
	_	_	TDV562BKU-LAB	SIRIAL TICKET	FOR INST	1	U	
-	Р		VPE3005-007	POLY BAG	FOR POWER CORD	1		-
1	P	-	Q04141H	WIRE CLAMP		1	J. U. UT	
	P		E66416-003	ENVELOPE	FOR WARRANTY	1		
		- 1	VYN2329-901	NAME PLATE		1	UT	
1	P 1	1	QZLA001-005	GREEN POINT LAB	GREEN POINT	1	G	